#### **OUESTIONS PRESENTED**

The Petitioner has raised the following two questions in his Petition for Writ of Continuer before this Court:

- 1. Whether an action brought by a death-sentenced prisoner pursuant to 42 U.S.C. § 1983, which does not attack a conviction or sentence, is simply because the person is under a sentence of death— to be treated as a habeas corpus case subject to the restriction on successive petitions which categorically precludes review of any constitutional violation not related to innocence (as the Fourth, Fifth and Eleventh Circuits hold), or can be maintained as § 1983 action (as the Sixth, Eighth and Ninth Circuits and several lower courts hold)?
- 2. Whether a cut-down procedure, which involves pain and mutilation, conducted prior to an execution by lethal injection, violates the Eighth Amendment to the United States Constitution?

iii

#### STATEMENT OF INTEREST OF AMICI CURIAE

Bach amicus curiae is a practicing physician in the State of Alabama<sup>1</sup>. The amici curiae have been informed of the medical procedures the Raspondents have proposed using to gain venous access to the Petitioner to execute him by lethal injection.

The proposed medical procedures concern us as physicians for a number of reasons. First, obtaining central venous access is a complex medical procedure that involves serious risks and should only be performed by properly trained personnel. In this situation the Respondents will not disclose the credentials of the people who will be performing the procedure, including whether or not the physician is actually licensed to practice medicine in the State of Alabama or any other state. We are also concerned because it is apparent to us that the Respondents hope to implement a plan that was not designed by competent, credentialed physicians, and thereby are placing the Petitioner at high risk of enduring severe and needless pain and suffering.

<sup>1</sup> Pursuant to Rule 37.6, <u>Rules of the Supreme Court of the United States</u>, counsel for neither party has authored this brief in whole or in part.

#### SUMMARY OF ARGUMENT

The Respondents must gain venous access to the Petitioner in order to execute him by lethal injection. Venous access may be obtained in most people by placing a very thin outherer under the skin in the hand or arm. Gaining venous access in this memor is referred to as peripheral venous access and is a relatively simple procedure.

Gaining peripheral venous access may be difficult or estentially impossible in some patients. When dealing with these people, central venous access must be obtained, which involves obtaining access to a central vein such as those in the chest and abdomen. Central venous access can only be achieved via a relatively complicated medical procedure.

The Respondents have essentially conceded that they will not be able to gain peripheral venous access to the Petitioner in order to execute him by lethal injection. As such, they will have to perform an invasive medical procedure to gain central venous access to the Petitioner prior to his execution.

There are two predominant methods for obtaining central venous access - - the percutaneous technique and the cut down

technique. In the overwhelming majority of situations where central venous access is required, the percutaneous technique is heavily favored over the out down technique. This is because the percutaneous technique is less invasive, less painful, safer, faster, easier to learn, easier to teach, and easier to perform.

Attempts to gain central venous access should only be made by skilled, experienced physicians who have been specially trained to perform the requisite medical procedures. It cannot be emphasized enough that merely being a physician in no way qualifies a person to perform medical procedures to gain central venous access.

Many serious and painful complications may arise while a cantral venous catheter is being placed. These complications include severe pain, hemorrhage (severe bleeding), serious cardiac arrhythmias (abnormal beating of the heart causing shock), and pneumothorax (lung collapse due to collection of air between the lung and chest wall). Additionally, the amount of pain caused by the procedure is related to the experience of the medical practitioner performing the procedure.

For some unknown reason, the Respondents intend to use the cut down procedure instead of the percutaneous procedure. The Respondents also refuse to disclose the credentials and experience of the medical personnel who will be in charge of performing the cut down procedure.

Based on the sount information that the Respondents have disclosed, it appears that people with sufficient medical knowledge have not designed the medical procedure being prepared by the Respondents. Furthermore, there are no assurances that a competent, qualified, licensed physician will be performing the medical procedures proposed by the Respondents.

Of no small concern is the fact that the proposed medical procedures described by the Respondents include references to anatomy not present in human beings. In addition, the Respondents use the terms "percutaneous technique" and "cut down technique" interchangeably when the techniques are completely distinct.

Based upon the foregoing, the amici curies have grave concerns about the medical procedures proposed by the Respondents.

The amici curies strongly recommend that the Petitioner's execution

be postponed until the Respondents disclose a medically sound, detailed description of the procedure that will be undertaken as well as a description of the experience and credentials of the medical personnel who will be performing the procedure.

#### ARGUMENT

#### L INTRODUCTION

The Respondents have encountered a unique problem in the Petitioner's case involving the need for medical procedures to be performed on the Petitioner in order for the Respondents to gain intravenous access to the Petitioner for the purpose of executing him by lethal injection. It the intent of the amici curies to outline some of the considerations surrounding intravenous access and also to explain the bases for our concerns about the medical procedures for gaining intravenous access to the Petitioner which are being contemplated by the Respondents.

## II. BASIC CONSIDERATIONS REGARDING INTRAVENOUS ACCESS

Obtaining intravenous access is a common and essential procedure in the contemporary practice of medicine, because many drugs are only effective if delivered directly into the venous system.

In the vast majority of situations, intravenous access can be easily obtained by placing a very thin catheter (the same diameter or smaller than the wire of a coat hanger) into a vein located just under the skin in the hand or arm. This is called "peripheral access", as contrasted with "central access" which makes use of a "central vein" such as those in the chest and abdomen. Peripheral access is usually a minor procedure that causes a small amount of pain or discomfort, comparable to that caused by a vaccination.

Unfortunately, in some patients peripheral access cannot easily be obtained, or is essentially impossible to obtain. One circumstance where this problem is commonly encountered is in patients who have received chemotherapy, which causes injury and scarring of peripheral subcutaneous veins. As their veins deteriorate, a point is reached where the search for peripheral access becomes arduous and agonizing, and the patient and physician reach a joint decision to place a central intravenous catheter. This decision is not reached lightly, as placement of a chronic indwelling central catheter is a non-trivial surgical procedure that involves pain and risk. Often the patient is referred to a physician with expertise in obtaining vescular access; as

many physicians do not themselves have the experience and credentials to place a central catheter or to treat the complications that are associated with the procedure. Other chinical situations that involve difficult intravenous access include obese patients (in whom the subcutaneous veins are obscured by adipose tissue), patients who have taken corticosteroids for diseases such as arthritis and lupus, patients who suffer from disbetes and regularly inject insulin, and patients with a history of intravenous drug abuse. Additionally, some patients without any apparent reason just have no readily accessible paripharal veins.

Central venous access is indicated in several other clinical situations. As an example, patients undergoing major surgery often undergo central line placement (usually after general anesthesia has been induced) for the purposes of delivering large volumes of blood and fluids to treat anticipated intraoperative bleeding. Patients undergoing cardiac catheterization for diagnostic purposes may also require the placement of central venous catheters. Central access is also required for the placement of implanted cardiac procunakers. The above list is not intended to be comprehensive, but rather is presented

for the purpose of conveying the scope of settings in which central intravenous access may be required.

It should be noted that in the great majority of the abovereferenced therapeutic situations, peripheral intravenous access is
obtained prior to embarking on the central venous access procedure.

This allows the practitioner to administer painkillers and sedatives
which render the central venous access procedure virtually innocuous.

In the rare and unfortunate situation where peripheral intravenous
access cannot be established before placing the central line, the
experience is physically grueling, painful, and arduous for the person
undergoing the procedure.

## III. TECHNIQUES FOR OBTAINING CENTRAL VENGUS ACCESS

Putting aside rarely used methods, it is fair to say that two main techniques are used for obtaining central venous access. One technique, which is the most commonly used today, is called the "percutaneous technique". This involves inserting a needle through the skin and into the vein, then passing a thin wire through the lumen of the needle, then removing the needle over the wire to leave the wire placed in the vein, and then finally advancing a thin flexible catheter over the wire into the vein. The wire can then be removed, leaving the catheter in the vein. Usually this procedure is performed in the groin (femoral vein), the neck (internal or external jugular vein), or under the collar bone (subclavian vein).

The second technique for obtaining central intravenous access is called the cut down technique. This involves the use of a scalpe) to make a series of incisions through the skin, the subcutaneous fat, and the underlying muscle, to reach the relatively deeply located central vein. The length of these incisions is in the range of two inches and depends upon a variety of factors including location of the incision, degree of scarring, depth of the vessel, and the skill of the surgeon. As with the percutaneous technique, this procedure is usually performed in the groin (femoral vein), the neck (internal or external jugular vein), or under the collar bone (subclavian vein). The cut down technique is also used to obtain access to veins in the arm and leg, particularly in the setting of shock from trauma, where bleeding has emptied the vascular system and percutaneous access is thereby made difficult. Unlika the percutaneous technique, the cut down technique requires an array of surgical tools including hemostats, retractors, scissors, and

scalpels. The procedure typically requires the use of electrocautery, which is used to stop bleeding by burning the open ends of blood vessels.

The selection between these techniques is a therapeutic decision that is made by the practitioner based on the considerations of the individual situation. Nevertheless, we state with confidence that in the overwhelming majority of situations where central access is required, the percutaneous technique is heavily favored over the out down procedure. The reasons for this are simple: compared with the cut down technique, the percutaneous technique is less invasive, less painful, less expensive, safer, faster, easier to learn, easier to teach, and easier to perform.

### IV. QUALIFICATIONS FOR OBTAINING CENTRAL ACCESS

Obtaining central venous access, whether by the percutaneous technique or the out down technique, is a significant medical procedure that requires skill, judgment, and experience. These procedures are typically taught during post-graduate medical residency training, and involve "elbow to elbow" supervision by an experienced practitioner. Some medical specialties (including surgery,

anesthesiology, cardiology, intensive care, and interventional radiology) frequently involve placement of central venous catheters. In other medical specialties, it is frequently the case that a patient requiring central venous access will be referred to a physician with expertise and proficiency in performing the procedure.

For physicians to be permitted to practice in a given hospital, they must apply for and receive admitting privileges. As part of this process, a physician will apply for permission to perform various procedures, and hospitals have in place systems for ascertaining whether such procedure privileges should be granted. Obtaining central venous access, whether by the percutaneous technique or the cut down technique, is a procedure that is specifically privileged by hospitals. This system is followed throughout the country as a means of ensuring that personnel possessing adequate training and experience care for patients. In particular, in granting privileges for performing central venous access a hospital board would need evidence that a physician performs the procedure with significant frequency and has appropriate credentials. Among the required credentials would be evidence of active state licensure. A hospital would also need to

review a physician's career record to ensure that there was no history of licensure revocation for misconduct or incompetence. It is very important to understand that morely being a physician in no way provides an assurance that proficiency or even familiarity with intravenous access exists.

## V. COMPLICATIONS OF PLACING CENTRAL VENOUS CATHETERS

One of the reasons for requiring credentialing for obtaining central venous access is that the procedures are associated with significant complications. These complications include pain, hemographe (severe bleeding), cardiac arrhythmias, and pneumothorax (accumulation of air in the space between the lung and inner chest wall, causing lung collapse and suffocation). The amount of pain caused by the procedure is related to the experience of the practitioner. A skilled practitioner will spend less time "fishing around" to find the location of the vein and will be more adept at effectively infiltrating local anesthesis to make the procedure more comfortable.

Hemorrhage can occur because of lacerating or rupturing the large blood vessels that are the targets of the procedure. Hemorrhage can be external or internal. If it is external, one result can be

widespread distribution of blood throughout the operative field, including the drapes covering the patient's face, the floor, the medical personnel, and the operating table. If the hemorrhage is internal, expertise and experience is often required to recognize the problem and provide appropriate treatment. Hemorrhage, while not painful per se, is extraordinarily distressing and is associated with nauses, shortness of breath, a sense of suffocation, and terror.

Cardine arrhythmias (abnormal beating of the heart) can be triggered by inadvertent stimulation of the heart muscle by the eatherer or wire. These arrhythmias can cause a profound lowering of blood pressure, which like bemorrhage is extremely distressing. If that were to occur, the patient would likely require electrical defibrillation or electrical cardioversion, both of which would burn the skin and produce an extraordinarily agonizing experience for a conscious patient.

Finally, the complication of pneumothorax can be caused by inadvertently puncturing the thin sac that separates the lungs from the inner side of the chest wall. The resulting lung collapse is painful and extremely distressing, causing suffocation and sometimes death. The

treatment of pneumothorax involves the insertion of one or more large diameter tubes (approximately one-half inch in diameter) between the ribs and deep into the chest to evacuate the sir. This procedure is painful, should only be performed by experienced practitioners, and is accompanied by its own set of catastrophic complications.

It should be noted that in most clinical situations in which central venous access is being obtained, paripheral intravenous access has already been established. Peripheral lines play a critical role in the treatment of the above-described complications because they permit the administration of painkillers and sodatives, drugs for treating arrhythmias, and allow for the infusion of blood and other fluids to treat hemorrhage. Logically, in a setting where central access is required because peripheral access could not be achieved, these complications are much more fearsome and difficult to manage.

VL CONCERNS OF AMICI CURIAE REGARDING THE STATE OF ALABAMA'S PROPOSED PROCEDURES TO OBTAIN CENTRAL VENOUS ACCESS IN THE PETITIONER

It is our understanding that the Petitioner has a history of difficult intravenous access. The affidavit of Warden Grantt Culliver states that difficulty is anticipated in obtaining intravenous access and that a plan has been formulated to obtain central venous access. It is our further understanding that this plan involves attempting catheter placement in the groin, the neck, or the arm.

It is our understanding that the Respondents have refused to disclose the State of Alabama's protocol for lethal injection and have disclosed very little information about the methods that will be employed in attempts to gain venous access in the Petitioner. It is our further understanding that the Respondents have not disclosed any information about the personnel who will be placing the central catheter in the Petitioner, including information about the personnel's credentials and experience. Indeed, it is not even known whether the individual who will be performing the medical procedure holds a current license to practice medicine in the State of Alabama or any other state. Thus, there is no assumance or basis for confidence that a suitably proficient practitioner will perform the medical procedure.

The failure on the part of the Respondents to provide this information makes it impossible to rationally ascertain whether or not reasonable steps have been taken to ensure that the procedure will not be bungled and cause extreme suffering and distress to the Petitioner.

Warden Culliver in his affidavit states that if the central intravenous access is obtained via the neck, the "external carotid vein" will be used. There is no such structure in human beings, and it is not credible to the amici curies that a trained physician or practitioner would even mistakenly use this term. Oddly, an affidavit by Dr. Marc Sonnier also uses the term "external carotid vein". The use of this term bespeaks the presence of less than a glimmar of familiarity with the procedure and buttresses our concern that the personnel recruited by the Raspondents for this procedure will not possess the requisits proficiency and expertise. It is difficult to believe that any personnel currently employed by the Respondents possess the requisite expertise to perform, review, or "sign off" on the procedures proposed by the Raspondents.

It is our understanding that Warden Culliver's initial plan was to place the central line twenty-four hours in advance of the execution. This plan reflects a troubling lack of judgment. The fact that Warden Culliver retracted this ill-advised plan, eventually asserting that the procedure would be performed one or two hours prior to the execution, does nothing to mitigate the fact that he made the proposal and, for a

period of time, defended it. Also, it is our understanding that Warden Cultiver initially informed the Petitioner that the procedure would involve an incision a quarter of an inch in length but later informed the Petitioner, as is reflected in his affidavit, that the incision would be approximately two inches in length. Warden Cultiver clearly lacks the experience and expertise to make decisions about the medical features of the procedure.

It is also our understanding that during early discussions about plans to obtain intravenous access in the Petitioner, Warden Culliver used the term "cut-down" to refer to the percutaneous procedure. As described above, the two procedures are very different, and in virtually all cases it is preferable to use the percutaneous technique. Warden Culliver's failure to discern the distinctions between these procedures, in conjunction with his apparent prominent role in designing the procedure, strongly suggests that the Petitioner is at risk for being subjected to a poorly designed procedure.

In summary, the procedures for obtaining central venous access are complex medical procedures that require training and skill and should only be performed by experienced and credentialed personnel. Warden Culliver's approach thus far has been to conceal from the Petitioner the nature of the procedure to be performed and the qualifications of the personnel who will be performing it. Based upon the scant information that has been provided by the Respondents, the amici curiae are concerned that the Petitioner is at great risk of experiencing unnecessary suffering and pain.

#### VII. CONCLUSION

In view of the above-described problems, each amicus curius cannot escape the unfortunate conclusion that the Respondents have taken a haphazard and disarrayed approach to designing the procedure for obtaining intravenous access in the Petitioner's case. This situation brings to mind an adage of medical training, "failing to plan is planning to fail". We do not understand why it would not be in the best interest of the Respondents to contract with a demonstrably experienced physician to perform the procedure of obtaining central intravenous access on the Petitioner. We also do not understand why it would not be in the best interest of the Respondents to provide information about the physician's credentials so that it could be reasonably determined that central intravenous access would be

obtained in a fashion that would minimize the risk of needless crucity, pain, and suffering.

It is our understanding the need to obtain central venous access. in the Petitioner is not emergent. The readily apparent lack of a coherent program for designing and carrying out this procedure on the Petitioner leads us to recommend in the strongest possible terms that the procedure be postponed until the elements set forth above are brought into place. Specifically, we recommend that the Respondents be required to disclose a reasonably detailed and medically sound description of the procedure to be undertaken and a detailed description of the personnel who will be performing the procedure, including the credentials of the medical personnel. We, of course, recognize the medical personnel's desire for anonymity in the context of performing medical procedures related to an execution. However, it is not difficult to envision a solution that allows for a review of this information without revealing the identity of the specific personnel. For example, a mutually agreed upon independent party could review the professional credentials and licensure of the medical personnel and provide an assurance to interested parties that appropriately

#### credentialed personnel would be involved.

The amici curies respectfully request that this Court grant the

Petitioner's Petition for Writ of Certiorari.

Respectfully submitted,

KATHRAN LOUISE LIPPERT Alabama Bar No. ASB-8428-164K

Counsel for Amici Curies

Post Office Box 661111 Birmingham, Alabama 35266 Telephone (205) 426-3705 Fax Number (205) 426-3750

#### CERTIFICATE OF SERVICE

I hereby certify that I have this date served a true and correct copy of this Brief of Amici Curiae in Support of Petitioner by United States Mail with proper postage affixed thereto upon the following:

Mr. Michael Billingsley
Deputy Attorney General
Alabama State House
11 South Union Street
Montgomery, Alabama 36130

Michael Kennedy Mointyre 507 The Grant Building 44 Broad Street, N.W. Atlanta, GA 30303

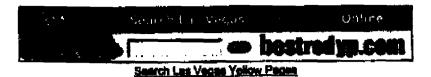
H. Victoria Smith 507 The Grant Building 44 Broad Street, N.W. Atlanta, GA 30303

Dated: This 10 day of November, 2003.

## EXHIBIT 144

## EXHIBIT 144





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· Today's Sun · Sun News · Sun Accept	Killer makes final requests	W.F.
- Sun Systems - Sun Sports - Sun Caburatata	Victim's family members plan to attend execution	
- Saculte Pace	By Cy Rymn < <u>py@lexysgeesun.com</u> > Bun Capital Bureau	N
- Todav'a Opinion - Sun Editorials - Sun Columnists - Physicals	CARSON CITY - Las Vegus killer Lawrence Colveil wents to be well-groomed when he goes to his execution Merch 25 at the Nevede State Prison.	
· San Letters NEWS	Colvell has saked to receive a haircut and to have his teeth cleaned before he is put to death by lethel injection, prison spokesmen Fritz Schlottmen said.	
- Today's Name - Las Veces - Nameda - D.S.	The inmete has been placed in protective custody in a single-bad coll. The section he is in has its own exercise yard.	
· World · Bult=eu	Schlottman described Cohvell's demeaner as "matter-of-fact." Colveil has declined further court appeals and said he wants to be executed. But he has	
DOSINELS	left the door open to renew his appeal and get a stay of execution from the federal court.	
Todaris Business     Las Vissas     Gamina     Consorate Nuoss	He has said he will decide that lesue by Wednesday.	
Technology Wall Street	Colwell has declined to be interviewed by the press.	
	<u> </u>	1

#### PCPTS

- Todovia Sporta

Terry Rosenstock, the son of the victim, and Mindy Dinburg, the daughter, plan to attend the execution. Rosenstock said, "We have to," he said, "for closure."

Resenstock, of New York, said Colwell "did wrong by my father," and the killing "leaves a permanent mark on my life."

Rosenstock said he and Dinburg, who lives in New Jersey, plen to arrive the night before the execution.

Colwell has asked that his television, which was in storage, be returned to him,

http://www.lasvegassum.com/numbin/stories/sum/2004/mag/18/516550150.html?execution.dia... 3/3/2006



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Schlottmen sold, Cotwell has also saked for ice in his soft drinks. The prison does not have an ice-making machine, Schlottmen said.

Colwell, who turned 36 on Merch 1, would be the 10th person executed since Nevade re-established the death penalty in 1977. The last execution was of Sebastian Bridges on April 21, 2001.

In 1901 the Legislature ordered all executions to be carried out at the state prison in Carson City, according to state archivist Guy Roche. Since then 51 men have been executed: 32 in the gas chamber; 10 by hanging; eight by tethel injection; and one shot.

The only women ever executed, Elizabeth Potts, was hanged with her husband Josiah Potts in Elix using double gallows on June 20, 1890, for the shooting murder and mutilation of Miles Faucett in Carlin.

The oldest man executed at the state prison was John Kramer, 51, who was put to death in August 1942. The youngest was Floyd Loveless, 17, who was put to death in September 1944 for the murder of a constable near Carlin when Loveless was 15.

The March 25 execution is expected to have an estimated 20 witnesses, including the family members and 10 members of the media, Schlottman said.

On March 10, 1994, Colwell and his girlflight Merities Paul robbed and murdered 76-year-old Frank Rosenstock at the Troplogue. Rosenstock, of Floride, was handcuffed and strangled with a belt.

Colwell and Paul fied to Oregon, where she turned herself in to authorities. She pleaded guilty to first-degree murder and testified against Colwell. She is serving a life term with the possibility of perols.

The state initially did not seek the death penalty in the case, but Colwell offered to plead guilty to all charges if the state changed its position. At the penalty hearing before three judges, Colwell saked to be put to death.

Sefore the execution, Colwell, whose alias is Charles Durant, will be transferred to one of two "lest-night cells," where three to four officers will be assigned. Prison rules say one guard must always have the condemned man in sight so he does not try to commit suicide.

Radio and television sets are placed outside the cell, so there are no cords in the cell. The condemnad men is strip-eserched before he entere the cell. He is allowed to order his fast megi.

There is a telephone outside the cell so the inmate can make his final calls, or seek a stay of execution.

Clergy members are available, and several hours before the execution the inmate can request a sedative.

At the appointed time the immate is led by guards to the death room, where he is placed on a gurney and secured by strape on his wrists, biceps, chest, stomach and legs. He is not masked or hooded and he can move his head to

http://www.lasvogsssun.com/supbin/stories/sun/2004/mar/18/516550150.html?execution d'a... 3/3/2006

#### Las Vegas SUN: Killer maker and requests



face the witnesses if he wishes.

Through three windows, witnesses can view the immate being strapped down. The shades are drawn when an intravenous tube is placed in each ann. The shades are then lifted again, with the condemned man lying on the gumey.

Some of the condemned men have mouthed words to the witnesses, either sking for forgiveness or claiming their innocence. Others kept their eyes toward the ceiling. The inmete is asked by Corrections Director Jackie Crawford whether he has any last words.

The letter drugs are then administered. An unidentified person, hidden from view in an adjoining room, pushes the syrings.

Prison physicien Dr. Ted D'Amico said sodium thiopental is administered first to put the man to sleep; then 20 milligrams of Pavulon goes into the veins to stop the lungs; and finally, potsesium chloride, which stope the heart.

The process takes several minutes. The blinds are then drawn and D'Amico enters the room to pronounce death.

Problems or questions?
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# EXHIBIT 145

## EXHIBIT 145

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# Inadequate anaesthesia in lethal injection for execution

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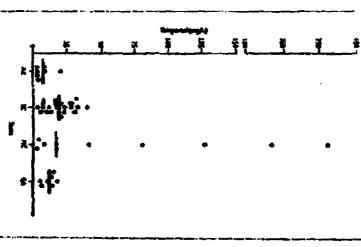
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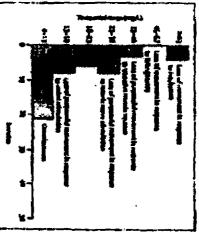
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## EXHIBIT 146

# EXHIBIT 146

#### Declaration of Mark J. S. Heath, M.D.

#### I, Mark J.S. Heath, M.D., hereby declare as follows:

- I am an Assistant Professor of Clinical Anesthesiology at Columbia University in New York City. I received my Medical Doctorate degree from the University of North Carolina at Chapel Hill in 1986 and completed residency and fellowship training in Anesthesiology in 1992 at Columbia University Medical Center. I am Board Certified in Anesthesiology, and am licensed to practice Medicine in New York State. My work consists of approximately equal parts of performing clinical anesthesiology, teaching residents, fellows, and medical students, and managing a neuroscience laboratory. As a result of my training and research I am familiar and proficient with the use and pharmacology of the chemicals used to perform lethal injection. I am qualified to do animal research at Columbia University and am familiar with the American Veterinary Medical Association's guidelines.
- 2. Over the past several years, as a result of concerns about the mechanics of lethal injection as practiced in the United States, I have performed many hundreds of hours of research into the techniques that are used during this procedure. I have testified as an expert medical witness in courts in Maryland, Georgia, Tennessee, Kentucky, Virginia, and Louisiana in the following actions: Baker v. Saar, No. WDQ-05-3207 (D. Md.); Evans v. Saar, No. 1:06-CV-00149-BEL, (D. Md.);

Reid v. Johnson, No. 3:03cv1039 (E.D. Va.); Abdur Rahman v. Bredesen, No. 02-2236-III (Davidson County Chancery Ct., Tenn.); State v. Michael Wayne Nance, 95-B-2461-4 (Ga. Superior Ct.); Ralph Baze & Thomas Bowling v. Rees, 04-Cl-01094 (Franklin County Circuit Ct., Ky.); Taylor v. Cawford, 05-4173-CV-C-FJG (W.D. Mo.); and State v. Nathantol Code, No.138860, (1st Judicial D. Ct. of LA for Caddo Parish 2003). I have filed affidavits that have

been reviewed by courts in the above states and also in California, Pennsylvania, New York, Alabama, North Carolina, South Carolina, Ohio, Oklahoma, Texas, Missouri, and by the United States Supreme Court.

- 3. During court proceedings, I have heard testimony from prison wardens who are responsible for conducting executions by lethal injection. I have testified before the Nebraska Senste Judiciary Committee regarding proposed legislation to adopt lethal injection. I have testified before the Pennsylvania Senste Judiciary Committee regarding proposed legislation to prohibit the use of pancuronium and the other neuromuscular blockers in Pennsylvania's lethal injection protocol. My research regarding lethal injection has involved both extensive conversations with recognized experts in the field of lethal injection, toxicology, and forensic pathology and the exchange of personal correspondence with the individuals responsible for introducing lethal injection as a method of execution in Oklahoma (the first state to formulate the procedure) and in the United States.
- My qualifications are further detailed in my curriculum vitae, a copy of which is attached hereto as Exhibit A and incorporated by reference as if fully rewritten herein.
- 5. I have been asked by counsel for Edward Lee Beets to review the procedures concerning lethal injection currently in place in Nevada to assess whether there is a risk of the immate experiencing pain and suffering while the lethal injection is administered. I hold all opinions expressed in this Declaration to a reasonable degree of medical certainty, except as specifically noted at the end of paragraph 35, where I make a speculative comment.
- 6. I have reviewed the Nevada Department of Corrections' "Confidential Execution Manual."

- 7. In addition, I have reviewed numerous documents, including execution logs, for California's executions. Comparable information about executions by lethal injection in Nevada is unavailable. However, Nevada's lethal injection protocol is similar to that used in California prior to the proceedings in *Morales v. Hickman*.
- I have also reviewed Nev. Rev. Stat. § 638.005 and N.A.C. §§ 638.450 et. seq. which pertain to the training for those performing enthanasia on animals, as well as statutes pertaining to enthanasia of animals from the states of: California, Florida, Georgia, Maine, Maryland, Massachusetts, New Jersey, New York, Oklahoma, Tennessee, Texas, Connecticut, Delaware, Illinois, Kansas, Kentucky, Louisiana, Missouri, Rhode Island and South Carolina, I have also reviewed the 2000 Report of the Panel on Euthanasia of the American Veterinary Medical Association, attached hereto as Exhibit B, the American Society of Anesthesiologist's Practice Advisory for Intraoperative Awareness and Brain Function Monitoring, attached hereto as Exhibit C, and the American Society of Anesthesiologist's Standards for Basic Anesthetic Monitoring, attached hereto as Exhibit D.
- 9. Based upon my review of this material and my knowledge of and experience in the field of anesthesiology, I have formed several conclusions with respect to the protocol of the Nevada Department of Corrections ("NDOC") for carrying out lethal injections. These conclusions arise both from the details disclosed in the materials I have reviewed and from medically relevant, logical inferences drawn from the omission of details in those materials (e.g., details regarding the training of the personnel involved; details of all of the medical equipment used; and details of the precise methods by which the personnel involved use the equipment to carry out an execution by lethal injection).

#### A. NDOC's Lethal Injection Protocol

- 10. NDOC's lethal injection protocol calls for the administration of 5 grams of sodium thiopental, 20 milligrams of pancuronium bromide (Pavulon), and 160 milliequivalents of potassium chloride. Broadly speaking, the sodium thiopental is intended to serve as an anesthetic, rendering the immate unconscious for the duration of the execution. Five grams of sodium thiopental is a massive, and potentially lethal, dose. The pancuronium bromide paralyzes the immate's voluntary muscles, including those of his chest and disphragm. Pancuronium is not an anesthetic or sedative drug, and it does not affect consciousness. Potassium chloride is a sult solution that, when rapidly administered in high concentrations, induces cardiac arrest.
- 11. Although the successful delivery into the circulation of 5 grams of sodium thiopental and 20 milligrams of pencuronium would be lethal, it is important to understand that the lethality of sodium thiopental and pencuronium is due to respiratory arrest, which takes several minutes to ensue and does not typically occur prior to the administration of potassium. In the execution sequence, before death is caused by respiratory arrest from sodium thiopental and pencuronium, death is caused by cardiac arrest caused by potassium. I base this opinion, that the potassium and not the pancuronium or sodium thiopental is responsible for the death of prisoners thiring tethal injection, on the following:
  - A) Review of records from EKGs from lethal injection procedures conducted in other states. During lethal injection, cardiac activity consistent with generating perfusion persists through the administration of sodium thiopental and paneuronium and only stops after potassium has been administered. The relatively sudden cossation of organized EKG activity is not consistent with a cossistent of circulation due to administration of sodium thiopental and/or paneuronium and is consistent with cossistent of

circulation after the administration of a large dose of potassium chloride.

B) Properties of Sodium Thiopental and Pancuronium. Sodium thiopental and paneuronium exert their effects by interacting with molecular targets in the nervous system and on muscle cells in a manner that induces unconsciousness and stops breathing. Sodium thiopental pencuronium, unlike other chemicals such as cyanide, do not kill cells or tissues, and are useful to clinicians precisely because they do not kill or harm cells or tissues. The reason that sodium thiopental and pancuronium can cause death is that they cause the prisoner to stop breathing. Failure to breathe will result in brain damage, brain death, and cardiac arrest as the level of oxygen in the blood declines over time. These processes take a varying amount of time, depending on many factors. Physicians generally use four minutes of not breathing as the approximate benchmark time after which irreversible brain damage from lack of oxygen occurs, and death typically occurs some number of minutes after the onset of brain damage. It is worth noting, however, that this general figure of four minutes is often used in the context of cardisc arrest, in which there is no circulation of blood through the brain. If some level of blood circulation persists, it is very likely that brain damage and brain death would take longer than four minutes.

In the context of lethal injection, sodium thiopental and pancuronium, if successfully delivered into the circulation in large doses, would indeed each be lethal, because they would stop the immate's breathing. However, as described above, in execution by lethal injection as

practiced by Nevada and other states the administration of potassium and death precede any cardiac arrest that would be caused by sodium thiopental and pancuronium.

- 12. Intravenous injection of concentrated potassium chloride solution causes excruciating pain. The vessel walls of veins are richly supplied with sensory nerve fibers that are highly sensitive to potassium ions. The intravenous administration of concentrated potassium in doses intended to cause death therefore would be extraordinarily painful. NDOC's selection of potassium chloride to cause cardiac arrest needlessly increases the risk that a prisoner will experience excruciating pain prior to execution. There exist, however, alternative chemicals that do not activate the nerves in the vessel walls of the veins in the way that potassium chloride does. Despite the fact that the statute authorizing lethal injection in Nevada does not specify or require the use of potassium, NDOC has failed to choose a chemical that would cause death in a painless manner.
- 13. Thus, NDOC chose the means of causing death by choosing a medication (potassium chloride) that causes extreme pain upon administration, instead of selecting available, equally effective yet essentially painless medications for stopping the heart. In so doing, NDOC has taken on the responsibility of ensuring, through all reasonable and feasible steps, that the prisoner is sufficiently anesthetized and cannot experience the pain of potassium chloride injection.
- 14. The provision of anesthesia has become a mandatory standard of care whenever a patient is to be subjected to a painful procedure. Throughout the civilized world, the United States, and Nevada, whenever a patient is required to undergo a painful procedure, it is the standard of care to provide some form of anesthesia. Circumstances arise in which prisoners in Nevada require surgery, and in many instances the surgery requires the provision of general

anesthesia. In these circumstances general anesthesia is provided, and it is provided by an individual with specific training and qualifications in the field of anesthesiology. It is critical to understand that the great majority of physicians and nurses and other health care professionals do not possess the requisite training, skills, experience, and credentials to provide general anesthesia. It would be unconscionable to forcibly subject any person, including a prisoner in Nevada, to a planned and anticipated highly painful procedure without first providing an appropriate anesthetic, and it would be unconscionable to allow personnel who are not properly trained in the field of anesthesiology to attempt to provide or supervise this anesthetic care.

15. As a living person who is about to be subjected to the excruciating pain of potassium injection, it is imperative that all prisoners undergoing lethal injection be provided with adequate anesthesia. This imperative is of the same order as the imperative to provide adequate anesthesia for any Nevada prisoner requiring general anasthesia (or any type of anesthesia) before undergoing painful surgery. Given that the injection of potassium is a scheduled and premeditated event that is known without any doubt to be extraordinarily painful, it would be unconscionable and barbaric for potassium injection to take place without the provision of sufficient general anesthesia to ensure that the prisoner is rendered and maintained unconscious throughout the procedure, and it would be unconscionable to allow personnel who are not properly trained in the field of anesthesiology to attempt to provide or supervise this anesthetic care.

# B. Failure to Adhere to a Medical Standard of Care in Administering Anosthesia

16. It is my opinion to a reasonable degree of medical certainty that the lethal injection procedures selected for use in Nevada and used elsewhere subject the prisoner to an increased and unnecessary risk of experiencing excruciating pain in the course of execution.

Because of the potential for an excruciating death created by the use of potassium chloride, it is necessary to induce and maintain an appropriate and deep plane of anesthesis. The circumstances and environment under which anesthesis is to be induced and maintained according to NDOC's execution manual create, needlessly, a significant risk that inmates will suffer the pain that accompanies the injection of potassium chloride,

- 17. Presumably because of the excruciating pain evoked by potassium, lethal injection protocols like Nevada's plan for the provision of general anesthesis by the inclusion of sodium thiopental. When successfully delivered into the circulation in sufficient quantities, sodium thiopental causes sufficient depression of the nervous system to permit excruciatingly painful procedures to be performed without causing discomfort or distress. Failure to successfully deliver into the circulation a sufficient dose of sodium thiopental would result in a failure to achieve adequate anesthetic depth and thus failure to block the excruciating pain of potassium administration.
- 18. NDOC's procedures do not comply with the medical standard of care for inducing and maintaining anesthesia prior to and during a painful procedure. Likewise, NDOC's procedures are not compliant with the guidelines set forth by the American Veterinary Medical Association for the euthanssia of animals. Further, NDOC has made insufficient preparation for the real possibility, encountered in many other jurisdictions, and planned for in those jurisdictions, that peripheral IV access cannot be successfully established.

#### 1. The Dangers of Using Sodium Thiopental as an Anesthetic

19. A major concern I have based on what I know about NDOC's lethal injection protocol relates to the use of sodium thiopental. Sodium thiopental is an ultrashort-acting barbiturate with a relatively short shelf life in liquid form. Sodium thiopental is distributed in

powder form to increase its shelf life; it must be mixed into a liquid solution by trained personnel before it can be injected.

- 20. When anesthesiologists use sodium thiopental, we do so for the purposes of temporarily anesthetizing patients for sufficient time to intubate the trachea and institute mechanical support of ventilation and respiration. Once this has been sohieved, additional drugs are administered to maintain a "surgical depth" or "surgical plane" of anesthesia (i.e., a level of anesthesia deep enough to ensure that a surgical patient feels no pain and is unconscious). The medical utility of sodium thiopental derives from its ultrashort-acting properties: if unanticipated obstacles hinder or prevent successful intubation, patients will likely quickly regain consciousness and resume ventilation and respiration on their own.
- 21. The benefits of sodium thiopental in the operating room engender serious risks in the execution chamber. Although the full five grams of sodium thiopental, if properly administered into the prisoner's bloodstream, would be more than sufficient to cause unconsciousness and, eventually, death, if no resuscitation efforts were made, my research into executions by lethal injection strongly indicates that executions have occurred where the full dose of sodium thiopental listed in the protocol was not fully and properly administered. If an inmate does not receive the full dose of sodium thiopental because of errors or problems in administering the drug, the inmate might not be rendered unconscious and unable to feel pain, or alternatively might, because of the short-acting resture of sodium thiopental, regain consciousness during the execution.
- 22. Thus, the concerns raised in this affidavit apply regardless of the size of the dosc of sodium thiopental that is prescribed under the protocol. The level of anesthesia, if any, achieved in each individual inmate depends on the amount that is successfully administered, although other factors such as the inmate's weight and sensitivity/resistance to barbiturates are

also relevant. Many foreseeable situations exist in which human or technical errors could result in the failure to successfully administer the intended dose. NDOC's execution manual both fosters these potential problems and fails to provide adequate instruction for preventing or rectifying these situations, and it does these things needlessly and without legitimate reason. Examples of problems that could prevent proper administration of sodium thiopental include, but are not limited to, the following:

- a) Errors in Proparation. Sodium thiopental is delivered in powdered form and must be mixed into an aqueous solution prior to administration. This preparation requires the correct application of pharmaceutical knowledge and familiarity with terminology and abbreviations. Calculations are also required, particularly if the protocol requires the use of a concentration of drug that differs from that which is normally used.
- b) Error in Labeling of Syringes. NDOC's execution manual states the syringes will be "clearly marked," but does not specify a standard order in which the syringes will be prepared or how they will be labeled. This could cause confusion in creating the syringes, leading to mislabeling, which, depending on the labeling system used, might not be detected and corrected later in the process.
  - c) Error in Selecting the Correct Syrings during the sequence of administration.
- d) Error in Correctly Injecting the Drug into the Intravenous Line. Nevada's execution manual fails to identify the person(s) responsible for injecting the lethal drugs and further fails to identify their qualifications.
- e) The IV Tubing May Leak. An "IV setup" consists of multiple components that are assembled by hand prior to use. If, as is the practice in Nevada, the personnel who are

injecting the drugs are not at the bedside but are instead in a different room or part of the room, multiple IV extension sets need to be inserted between the inmate and the administration site. Any of these connections may loosen and leak. In clinical practice, it is important to maintain visual surveillance of the full extent of IV tubing so that such leaks may be detected. Nevada's practice, by which the executioner(s) is in a separate room with no visual surveillance precludes detection of any leak that may occur.

- f) incorrect Insertion of the Catheter. If the catheter is not properly placed in a voin, the sodium thiopental will enter the tissue surrounding the vein but will not be delivered to the central nervous system and will not render the inmate unconscious. This condition, known as infiltration, occurs with regularity in the clinical setting. Recognition of infiltration requires continued surveillance of the IV site during the injection, and that surveillance should be performed by the individual who is performing the injection so as to permit correlation between visual observation and tactile feedback from the plunger of the syringe.
- g) <u>Migration of the Catheter</u>. Even if properly inserted, the eatheter tip may move or migrate, so that at the time of injection it is not within the vein. This would result in infiltration, and therefore a failure to deliver the drug to the inmate's circulation and failure to render the inmate unconscious.
- h) <u>Perforation or Rupture or Lenkage of the Vein</u>. During the insertion of the catheter, the wall of the vein can be perforated or weakened, so that during the injection some or all of the drug leaves the vein and enters the surrounding tissue. The likelihood of rupture occurring is increased if too much pressure is applied to the plunger of the syrings during injection, because a high pressure injection results in a high velocity jet of drug in the vein that can penetrate or tear the vessel wall.

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- i) Excessive Pressure on the Syringe Plunger. Even without damage or perforation of the vein during insertion of the catheter, excessive pressure on the syringe plunger during injection can result in tearing, rupture, and leakage of the vein due to the high velocity jet that exits the tip of the catheter. Should this occur, the drug would not enter the circulation and would therefore fail to render the immate unconscious.
- j) <u>Securing the Catheter</u>. After insertion, catheters must be properly secured by the use of tape, adhesive material, or suture. Movement by the inmate, even if restrained by straps, or traction on the IV tubing may result in the dislodging of the catheter.
- k) Failure to Properly Administer Flush Solutions Between injections of Drugs. Solutions of paralytic agents such as pancuronium cause sodium thiopental to precipitate out of solution on contact, thereby interfering with the delivery of the drug to the inmate and to the central nervous system. NDOC's manual does not specify if, how, or when the lines will be flushed.
- i) Failure to Properly Loosea or Remove the Tourniquet from the Ann or Leg after placement of the IV catheter will delay or inhibit the delivery of the drugs by the circulation to the central nervous system. This may cause a failure of the sodium thiopental to render and maintain the immate in a state of unconsciousness.
- m) Impaired Delivery Due to Restraining Straps. Restraining straps may act as tourniquets and thereby impede or inhibit the delivery of drugs by the circulation to the central nervous system. This may cause a failure of the sodium thiopental to render and maintain the inmate in a state of unconsciousness. Even if the IV is checked for "free flow" of the intravenous

fluid prior to commencing injection, a small movement within the restraints on the part of the inmate could compress the vein and result in impaired delivery of the drug.

### 2. The Need for Adequate Training in Administering Anasthesia

- 23. Because of these foreseeable problems in administering anesthesia, in Nevada and elsewhere in the United States, the provision of anesthetic care is performed only by personnel with advanced training in the medical subspecialty of Anesthesiology. This is because the administration of anesthetic care is complex and risky, and can only be safely performed by individuals who have completed the extensive requisite training to permit them to provide anesthesia services. Failure to properly administer a general anesthetic not only creates a high risk of medical complications including death and brain damage, but also is recognized to engender the risk of inadequate anesthesis, resulting in the awakening of patients during surgery, a dreaded complication known as "intraoperative awareness." The risks of intraoperative awareness are so grave that, in October 2005, the American Society of Anesthosiologists published a new practice advisory on the subject of intraoperative awareness. If the individual providing enesthesia care is inadequately trained or experienced, the risk of these complications is enormously increased. In Nevada and elsewhere in the United States, general anesthesia is administered by physicians who have completed residency training in the specialty of Anesthesiology, and by nurses who have undergone the requisite training to become Certified Registered Nurse Anesthetists (CRNAs). Physicians and nurses who have not completed the requisite training to become anesthesiologists or CRNAs are not permitted to provide general acesthesia.
- 24. In my opinion, individuals providing general anesthesia in the Nevada State Prison should not be held to a different or lower standard than is set forth for individuals providing general anesthesia in any other setting in Nevada. Specifically, the individuals

providing general anesthesia within Nevada State Prison should possess the experience and proficiency of anesthesiologists and/or CRNAs. Conversely, a physician who is not an anesthesiologist or a nurse who is not a CRNA should not be permitted to provide general anesthesia within Nevada State Prison (or anywhere else in Nevada).

25. NDOC's execution protocol fails to specify whether the person or persons administering the lethal injection have any training in administering anesthesia, or, if personnel are given training, what that training might be. The absence of any details as to the training, certification, or qualifications of injection personnel raises critical questions about the degree to which condemned inmutes risk suffering excruciating pain during the lethal injection procedure. The great majority of nurses are not trained in the use of ultrashort-acting barbiturates; indeed, this class of drugs is essentially only used by a very select group of nurses who have obtained significant experience in intensive care units and as nurse anesthetists. Very few paramedics are trained or experienced in the use of ultrashort-acting barbiturates. Based on my medical training and experience, and based upon my research of lethal injection procedures and practices, inadequacies in these areas elevate the risk that the lethal injection procedure will cause the condemned to suffer excruciating pain during the execution process. Failure to require that the person or persons administering the lethal injection have training equivalent to that of an anesthesiologist or a CRNA compounds the risk that inmates will suffer exeruciating pain during their executions.

## 3. NDOC's Failure to Account for Foresesable Problems in Agesthesia Administration

26. In addition to lacking any policy on the training necessary to perform a lethal injection, NDOC's execution manual imposes conditions that exacerbate the foreseeable risks of improper anesthesia administration described above, and fails to provide any procedures for

dealing with these risks. Perhaps most disturbingly, Nevada's lethal injection practice prevents any type of effective monitoring of the inmate's condition or whether he is anesthetized and unconscious. After the IV lines are inserted into the inmate but before the administration of the sodium thiopental, the execution chamber is closed and the prisoner is left alone in the chamber for the duration of the execution. Nevada's practice is that all prison personnel and others involved in the execution will be in a separate room. There is no window through which the executioner(s) can observe the immate as the series of drugs is injected. This falls below the standard of care. Accepted medical practice dictates that trained personnel monitor the IV lines and the flow of anesthesia into the veins through visual and tactile observation and examination. The lack of any qualified personnel present in the chamber during the execution through ensure that the sodium thiopental is properly flowing into the immate and that he is properly anesthetized prior to the administration of the pancuronium and potassium.

- 27. In my opinion, having a properly trained and credentialed individual examine the inmate after the administration of the sodium thiopental (but prior to the administration of pancuronium) to verify that the inmate is completely unconscious would substantially mitigate the danger that the inmate will suffer exeruciating pain during his execution. As discussed later in this affidavit, this is the standard of care, and in many states the law, that is set forth for dogs and cats and other household pets when they are subjected to euthanasia by potassium injection. Yet NDOC's execution manual does not provide for such verification, and indeed Nevada practice actively prevents the person or persons administering the lethal injection from determining whether or not the inmate remains conscious by requiring that all of the drugs must be administered remotely, from another room without even visual surveillance.
  - 28. By requiring that the drugs be administered remotely. Nevada practice

necessitates the use of multiple connection sites in the IV tubing. This unnecessarily increases the risk of leakage and/or pinching of the tubes, and therefore creates a greater risk that the immate will not be properly sedated. Any reasonable standard of care would require a system to be in place to ensure that the prisoner is properly anesthetized.

- 29. Other than stating "the lethal medication will be administered at a rapid rate," NDOC's execution manual provides no specifications regarding the timing of the administration of the drugs, thereby compounding the risks described in this Declaration. This concern is greatly amplified by the use of an ultrashort-acting barbiturate and is borne out by a review of the execution records from California. In each of the executions, the time between administrations of the three drugs varied for no apparent reason. The lack of a defined schedule for the administration of the three drugs increases the risk that the sedative effect of the sodium thiopental will wear off, should the immate not receive the full dose.
- 30. Nevada's lethal injection protocol does not account for procedures designed to ensure the proper preparation of the drugs used. I have not seen details regarding the credentials, certification, experience, or proficiency of the personnel who will be responsible for the mixing of the sodium thiopental from powder form, or for the drawing up of the drugs into the syringes. Preparation of drugs, particularly for intravenous use, is a technical task requiring significant training in pharmaceutical concepts and calculations. It is my opinion based on my review of lethal execution procedures in states that have disclosed more detailed information than what I have seen about Nevada's procedures, that there exist many risks associated with drug preparation that, if not properly accounted for, further elevate the risk that the drug will not be properly administered and the inmate will consciously experience accruciating pain during the lethal injection procedures.

- 31. The altering of established medical procedures without adequate medical review and research, by untrained personnel, causes great concern about the structure of the lethal injection protocol and its medical legitimacy. There is no indication of how Nevada's execution protocol was developed, who was consulted, what procedures were considered and why. The protocol may be something the Warden developed alone, or in consultation with other corrections personnel, some of whom may or may not have any medical training, or any specialized knowledge of anesthetic literature and practice. Appropriate mechanisms for medical review, and standardization of the implementation and amendment process, are critical features in any medical protocol so that the medical professionals and the public can be assured that proper and humane procedures are in place and being followed, Indeed, in other states. physicians and other medical personnel play a role in ensuring that any protocol is consistent with basic medical standards of care and humaneness. Otherwise, the process is subject and prone to ad hoc administration and error, if not gross negligence, or worse, an alteration of the process so as to inflict as much agony as possible. With lethal injection, such concerns are highly elevated.
- 32. There are no procedures contained within NDOC's execution manual for the resuscitation of the immate once the sodium thiopental is administered. To the contrary, the manual states that "once infusion of the lethal injection has begun . . . the execution cannot be stopped." This would foreclose the possibility of altering the course of an execution in the event of legal relief. Any time up until the potassium chloride is administered, the prisoner could be readily resuscitated given the appropriately trained personnel and routine resuscitation medication and equipment. If this were to occur after the potassium chloride was administered, resuscitation would be more challenging but still possible. Resuscitation would require equipment close-by, and properly credentialed personnel, neither of which are specified in the execution manual.

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- 33. Based on my medical training and experience, and based on my research into lethal injection procedures and practices, it is my opinion to a reasonable degree of medical certainty that any reliable, humans lethal injection procedure must account for the foreseeable circumstance of a condemned inmats having physical characteristics that prevent intravenous access from being obtained by a needle piercing the skin and entering a superficial vein suitable for the reliable delivery of drugs. There have been multiple lethal injections in which this problem has arisen from a variety of circumstances. Some of these circumstances could be due to conditions including obesity, corticosteroid treatment, history of intravenous drug use, history of undergoing chemotherapy. Additionally, some people happen to have veins that are too small or deep to permit peripheral access. It is often not possible to anticipate difficult intravenous access situations, and there are multiple examples of executions in which the personnel placing the IVs struggled to obtain peripheral IV access and eventually abandoned the effort. NDOC's execution manual is deficient in its failure to plan for the foreseeable possibility that peripheral IV access can not be obtained.
- 34. In this setting, state lethal injection protocols typically specify the use of a "cut-down" procedure to access a vein adequate for the reliable infusion of the lethal drugs. Aside from specifying in the "List of Needed Equipment and Materials," which "may vary," a "sterile cut-down tray if necessary," Nevada's lathal injection execution protocol contains no reference to plans for dealing with the foreseeable circumstance wherein peripheral intravenous access cannot be obtained in the arm or leg. No information regarding the training, experience, expertise, credentials, certification, or proficiency of the personnel who would perform such a "cut down" procedure is listed in the Nevada lethal injection protocol. In this regard, NDOC's lethal injection protocol is deficient in comparison to those of other states that I have reviewed. This complicated medical procedure requires equipment and skill that are not accounted for in the execution manual. It has a very high probability of not proceeding properly in the absence of

adequately trained and experienced personnel, and without the necessary equipment. If done improperly, the "cut-down" process can result in very serious complications including severe hemorrhage (bleeding), pneumothorax (collapse of a lung which may cause suffocation), and severe pain. It is well documented that lethal injection procedures in other states have at times required the use of a central intravenous line. NDOC has not, to my knowledge, released information about the need for central intravenous access during prior executions, and therefore it is not possible to make any assessment about whether the necessary safeguards have been set in place to ensure that the procedure is reasonably humane.

35. This concern over the challenges of IV placement has been demonstrated in numerous cases. For example, most recently, during the execution of Joseph Clark in Ohio, difficulties in finding a vein delayed the execution by almost 90 minutes. See Andrew Welsh-Huggins, IV Flasco Led Killer to Ask for Plan B, AP (May 12, 2006), attached hereto as Exhibit E. The execution team struggled for several minutes to find usable voin. The team placed a "shunt" in Clark's left arm, but the vein "collapsed". Subsequently, the team placed a "shunt" in Clark's right arm, but mistakenly attempted to administer the lethal drugs through the IV in the left arm where the vein had already "collapsed". The difficulties prompted Clark to sit up and tell his executioners "It don't work" and to ask "Can you just give me something by mouth to end this?" Similar problems occurred during the execution of Stanley "Tookie" Williams, the injection team took 12 minutes to insert the IV lines. The first line was placed quickly but sported blood, and the staff struggled for 11 minutes to insert the second line, having so much difficulty that Williams asked whether they were "doing that right." See The Execution of Stanley Tookie Williams, SFGate.com (Doc. 14, 2005), attached hereto as Exhibit F. The difficulty of the challenge presented to the IV team is evidenced by the comment that "By 12:10 a.m., the medical tech's lips were tight and white and sweat was pooling on her forehead as she probed Williams' arm." Similarly, the execution log of Donald Beardslee's execution indicates that the

second IV line was inserted with "difficulty," and the time entries indicate that it took 12 minutes to insert the second line, which is consistent with encountering problems in inserting the IV. When it proceeds smoothly, placement of a peripheral IV should, in my experience, take on the order of two minutes or less. In the execution of William Bonin, it took the staff assigned anywhere between 18 and 27 minutes to fashion the IV lines (the records are unclear as to this point). This is an unusually long period of time for an experienced and properly trained professional. In the execution of Stephen Anderson on January 29, 2002, one of the persons who attempted to secure an IV was unable to do so without causing significant bleeding and the need to remove his gloves. Again, this indicates that the process is a difficult one and that it is necessary that the persons doing it are properly trained and experienced. As is widely recognized in the medical community, administration of intravenous medications and the management of intravenous systems are complex endeavors. While speculative and not evidence-based, it is my opinion that it is likely that IV placement is rendered more difficult in the context of executions because the immates are often in a very anxious status, which causes the release of epinephrine (adrenalin) and norepinephrine, thereby causing constriction (narrowing) of blood vessels (including veins). When yeins are constricted/narrowed it can be difficult or impossible to insert an IV catheter. This is the best explanation I can provide for the otherwise unexplained extremely high incidence of difficult or failed peripheral IV placement, in individuals tacking known risk factors for difficult IV access.

36. It is my further opinion that to ensure a lethal injection without substantial risks of inflicting severe pain and suffering, there must be proper procedures that are clear and consistent: there must be qualified personnel to ensure that anesthesia has been achieved prior to the administration of pancuronium bromide and potassium chloride, there must be qualified personnel to select chemicals and dosages, set up and load the syringes, administer "pre-injections," insert the IV catheter, and perform the other tasks required by such procedures; and

there must be adequate inspection and testing of the equipment and apparatus by qualified personnel. The Nevada Department of Corrections' written procedures for implementing lethal injection, to the extent that they have been made available, provide for none of the above.

#### C. The Use of Pancuronium Bromide

- 37. Nevada's use of the drug paneuronium bromide serves no rational or legitimate purpose and compounds the risk that an immate may suffer excruciating pain during his execution. Paneuronium paralyzes all voluntary muscles, but does not affect sensation, consciousness, cognition, or the ability to feel pain and sufficient. Because the sodium thiopental and potassium chloride would in themselves be sufficient to cause death, and the potassium is administered well before death would result from the paneuronium alone, it is my opinion held to a reasonable degree of medical certainty that there would be no rational place in the protocol for paneuronium as the lethal amount of potassium chloride is administered.
- 38. Pancuronium bromide is a neuromuscular blocking agent. Its effect is to render the muscles unable to contract but it does not affect the brain or the nerves. It is used in surgery to ensure that there is no movement and that the patient is securely paralyzed so that surgery can be performed without contraction of the muscles. In surgery, pancuronium bromide is not administered until the patient is adequately anesthetized. The anesthetic drugs must first be administered so that the patient is unconscious and does not feel, see, or perceive the procedure. This can be determined by a trained medical professional, either a physician anesthesiologist or a nurse anesthetist, who provides close and vigilant monitoring of the patient, their vital signs, and various diagnostic indicators of anesthetic depth. NDOC's execution manual, to the extent disclosed, fails to provide an assurance that anesthetic depth will be properly assessed prior to the administration of pancuronium bromide.

- 39. If sodium thiopental is not properly administered in a dose sufficient to cause the loss of consciousness for the duration of the execution procedure, then it is my opinion held to a reasonable degree of medical certainty that the use of pancuronium places the condemned immate at risk for consciously experiencing paralysis, sufficient and the exeruciating pain of the intravenous injection of high dose potassium chloride.
- 40. If administered alone, a lethal dose of pancuronium would not immediately cause a condemned immate to lose consciousness. It would totally immobilize the immate by paralyzing all voluntary muscles and the disphragm, causing the immate to suffocate to death while experiencing an intense, conscious desire to inhale. Ultimately, consciousness would be lost, but it would not be lost as an immediate and direct result of the paneuronium. Rather, the loss of consciousness would be due to suffocation, and would be preceded by the torment and agony caused by suffocation. This period of torturous suffocation would be expected to last at least several minutes and would only be relieved by the onset of suffocation-induced unconsciousness or by death from potassium chloride.
- 41. Because the administration of a paralyzing dose of pancuronlum bromide to a conscious person would necessarily cause excruciating suffering, it would be unconscionable to administer pancuronium without first ensuring that the induction of general anesthesia had successfully achieved the necessary anesthetic depth.
- 42. Based on the information available to me, it is my opinion held to a reasonable degree of medical certainty that Nevada's lethal injection protocol creates an unacceptable risk that the inmate will not be anesthetized to the point of being unconscious and unaware of pain for the duration of the execution procedure. If the inmate is not first successfully anesthetized, then it is my opinion to a reasonable degree of medical certainty that the paneuronium will

paralyze all voluntary muscles and mask external, physical indications of the excruciating pain being experienced by the immate during the process of suffocating (caused by the pancuronium) and having a cardiac arrest (caused by the potassium chloride).

- 43. It is my understanding that NDOC's execution protocol requires the presence of six to nine official witnesses to the execution and permits media witnesses to the execution. It is my opinion based on a reasonable degree of medical certainty that pancuronium, when properly and successfully administered, effectively nullifies the ability of witnesses to discern whether or not the condemned prisoner is experiencing a peaceful or agonizing death. Regardless of the experience of the condemned prisoner, whether he or she is deeply unconscious or experiencing the excruciation of suffocation, paralysis, and potassium injection, he or she will appear to witnesses to be serene and peaceful due to the relaxation and immobilization of the facial and other skeletal muscles. The use of pancuronium, in my opinion, therefore prevents the press from fulfilling its essential function of informing the citizens, officials, and courts of Nevada about whether execution by lethal injection is conducted in Nevada State Prison in a manner that is constitutionally compliant and humane.
- 44. The doses of sodium thiopental and potassium chloride are lethal doses. Therefore, it is unnecessary to administer paneuronium bromide in the course of an execution when it is quickly followed by a lethal dose of potassium chloride. It serves no legitimate purpose and only places a chemical veil on the process that prevents an adequate assessment of whether or not the condemned is suffering in agony, and greatly increases the risks that such agony will ensue. Removal of paneuronium from the protocol would eliminate the risk of conscious paralysis from occurring. It would also eliminate the risk that an inhumane execution would appear humane to witnesses. Finally, removal of paneuronium would vastly reduce the possibility that the citizens, officials, and courts of Nevada could be inadvertently misled by

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media reports describing a peaceful-appearing execution when in fact the prisoner could be experiencing exeruciating suffering.

### D. Consequences of Improper Anesthesia Administration

- 45. Execution records from California indicate that four out of the six immates executed in California since 2000 continued to display activity and behavior that is inconsistent with the successful administration of 5 grams of thiopental, the amount required under California's lethal injection protocol. Five grams of thiopental, the dose required by the California protocol, is a massive dose that, if successfully administered, far exceeds the amount necessary to completely arrest respiratory activity in any prisoner. I therefore can provide no medical explanation for the immates' continued breathing other than that the thiopental was not administered in its entirety. If the full dose of thiopental was not administered successfully as is strongly suggested by the immates' continued breathing those immates faced a significant risk of remaining conscious or regaining consciousness during the lethal injection procedure. Importantly, a person who is breathing while under general anesthesia cannot be deeply anesthetized, and may well be awakened by a painful stimulation such as a surgical incision or the administration of potassium.
- 46. The handwritten records of Stanley "Tookic" Williams' execution indicate that Mr. Williams did not stop breathing until 12:34, upon the injection of the potassium chloride, 12 minutes after the thiopental was injected. Thus, the thiopental did not have the effect on Mr. Williams' brain and respiratory activity that would be expected with a high degree of certainty from the delivery into the circulation of the full 5-gram dose of thiopental.
- 47. The execution log of Clarence Ray Allen states that Mr. Allen continued breathing for 9 minutes after the delivery of the thiopental. Again, 5 grams of thiopental, if

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successfully delivered into the circulation, simply should not take 9 minutes to ablate cerebral electrical activity and respiratory activity.

- 48. The January 29, 2002 execution log of Stephen Wayne Anderson, reveals that Mr. Anderson continued breathing until 12:22, 5 minutes after the thiopental was administered. Again, this persistent respiratory activity is not consistent with the expected effect of 5 grams of thiopental, which would be to stop all visible respiratory activity within a minute of its delivery into the circulation.
- 49. The March 15, 2000 execution log of Darrell Keith Rich, states that Mr. Rich's respirations ceased at 12:08, with the administration of the pancuronium, but that Mr. Rich had "chest movements" lasting from 12:09 to 12:10. These chest movements, beginning after Mr. Rich had ostensibly stopped breathing (and while he was still alive, as shown by his heart rate of 110 beats per minute), and 3 minutes after the administration of the thiopental, are again inconsistent with successful administration of the thiopental. The chest movements are consistent, however, with an attempt to fight against the accruing paralytic effect of the pancuronium. Had the 5-gram dose of thiopental reached Mr. Rich and had the expected effect, he would not have been able to fight against the pancuronium by attempting to breathe, nor would he even have been aware of the effect of the pancuronium. Indeed, because 5 grams of thiopental would have arrested all cerebral activity, including all respiratory drive, there would have been no effort on Mr. Rich's part to attempt to breathe during the onset of the pancuronium.
  - E. Nevada's Execution Protocol Falls Below the Minimum Standards

    Mandated for Veterinary Euthanasia
- 50. The American Veterinary Medical Association (AVMA) states that when potassium chloride is to be used as a cuthanasia agent, the animals must be under a surgical plane

of anesthesia and the personnel performing the authanasia must be properly trained to assess the depth of anesthesia. The AVMA panel specifically states that the animal must be in a surgical plane of anesthesia characterized not simply by loss of consciousness, but also by "loss of reflex muscle response and loss of response to noxious stimuli." It is difficult to understand why the NDOC would chose, at its discretion, to use potassium to execute prisoners and would then fail to adhere to the basic requirements set forth by the AVMA to ensure that animals do not experience the exeruciating pain of potassium injection during enthanasia.

51. In Beardslee v. Woodford, the Ninth Circuit recognized that nineteen states have enacted statutes that, like the AVMA Report, mandate the exclusive use of a sedative in the euthanasia of animals. Although Nevada has not yet enacted such a statute, Nevada law expressly contemplates the use of sodium pentobarbital and requires that personnel who perform euthanasia of animals must be properly trained in the procedure. No such requirement exists in NDOC's execution manual.

#### Conclusion

52. Based on my research into methods of lethal injection used by various states and the federal government, and based on my training and experience as a medical doctor specializing in anesthesiology, it is my opinion based on a reasonable degree of medical certainty that, given the apparent absence of a central role for a properly trained medical or voterinary professional in NDOC's execution procedure, the chemicals used, the lack of adequately defined roles and procedures, and the failure to properly account for foresecable risks, the lethal injection procedure Nevada employs creates medically unacceptable risks of inflicting excruciating pain and suffering on immates during the lethal injection procedure. All of these problems could easily be addressed, and indeed have been addressed for the euthanssis of dogs and cats. It is difficult to understand why NDOC has failed to address these problems and has failed to meet the

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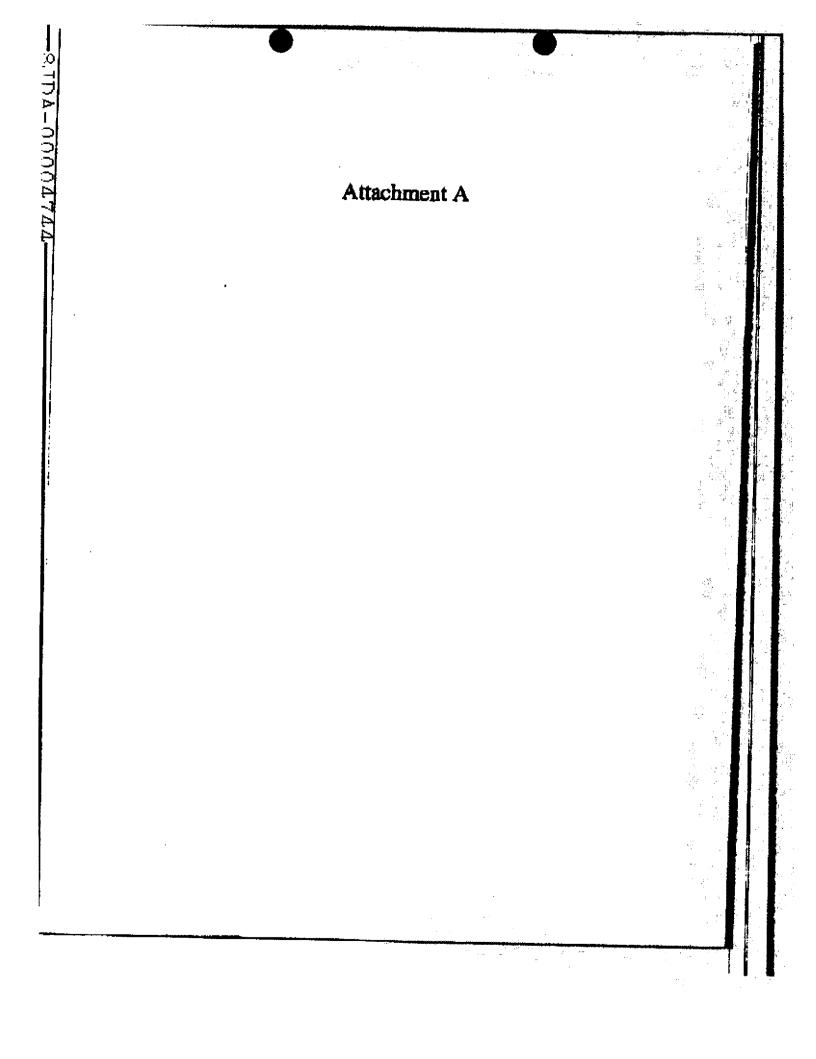
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minimum standards set forth for veterinary euthanasia.

53. In addition, in order to more fully and fairly assess the impact of the failings of Nevada's execution protocol, it is necessary to obtain all the records and logs used, and all official witness statements from prior executions, as well as the full rules and regulations devised by NDOC for lethal injection. This would include identifying the qualifications, experience and training of those persons who apply the IVs and who administer and monitor the injection.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and that this declaration was executed on May 16, 2006 in New York City, New York.

Mark J. S. Heath, M.D.



### Curriculum Vitae

Date of preparation: December 19, 2004 1)

2) Name: Mark J. S. Heath

Birth date:

March 28, 1960

Birtholace:

New York, NY

Citizenshio:

United States, United Kingdom

3) Academic Training:

Harverd University

A.A., Blology, 1983

University of North Carolina, Chapel Hill

M.D., 1987

Medical License

New York: 177101-1

Traineschip:

1987 - 1988

Internship, Internal Medicine, George Washington University Hospital,

Washington, DC.

1986 - 1991

Residency, Anestheeiology, Columbia College of Physicians and

Surgeons, New York, NY

1991 - 1993 Fellowship, Anesthesiology, Columbia College of Physicians and

Surgeone, New York, NY

5) Board Qualification:

> Diplomete, American Board of Anasthesiclogy, October 1991. Testamur, Examination of Special Competence in Perioperative Transacohageal Echocardiography (PTEsXAM), 2001.

Military Service: 6)

None

7) Professional Organizations:

> American Society of Anesthesiologists International Anesthesis Research Society Society of Cardiovascular Anesthesiology

Academic Appointments: 8)

1993 -- 2002

Assistant Professor of Anesthesiology, Columbia

University, New York, NY

2002 - present

Applytant Professor of Clinical Arrest/epiclogy,

Columbia University, New York, NY

9) Hospital/Clinical Appointments:

1993 - present

Assistant Attending Anesthesiologist, Presbyterian Hospital, New York, NY.

10) Honora:

Megna cum laude, Harvard University Alpha Omega Alpha, University of North Carolina at Chapet Hill Pirst Prize, New York State Society of Anesthesiologists Resident Presentations, 1991

11) Fellowship and Grant Support:

Foundation for Anesthesia Education and Research, Research Starter Grant Award, Principal Investigator, funding 7/92 - 7/93, \$15,000.

Foundation for Anesthusia Education and Research Young investigator Award, Principal Investigator, funding 7/93 - 7/96, \$70,000.

NH

KO6 "Inducible knockout of the NK1 receptor" Principal investigator, KO8 funding 12/96 - 11/02, \$431,947 over three years (no-cost extension to continue through 11/30/2002)

NIH PO1 "Tachykinin regulation of anxiety and stress responses"
Principal Investigator, funding 9/1/2002 – 8/30/2007
\$1,287,000 over 5 years

12) Departmental and University Committees:

Research Allocation Panel (1995 – 2001)
Institutional Review Soard (Alternate Boards 1-2, full member Board 3)
(2003 - present)

13) Teaching:

Lecturer and clinical teacher: Anestheolology Residency Program, Columbia University and Presbyterian Hospitali, New York, NY

Advanced Cardiet Life Support Training

Anesthetic considerations of LVAD implantation. Recurrent lecture at Columbia University LVAD implantation course.

#### invited Lecturer:

NRC1 receptor functions in pain and neural development, Comell University December 1984

Anxiety, stress, and the NK1 receptor, University of Chicago, Department of Anasthesia and Critical Care, July 2000

Anesthetic Considerations of LVAD implantation, University of Chicago, Department of Anesthesia and Critical Care, July 2000

NIC1 receptor function in stress and arcdety, St. John's University Department of Medicinal Chemistry, March 2002

Making a brave mouse (and making a mouse brave), Mt.Sinei School of Medidine, May 2002

Problems with anesthesis during liethal injection procedures, Geneva, Switzerland. Duke University School of Law Conference, "International Law, Human Rights, and the Death Penalty, Towards an international Understanding of the Fundamental Principles of Just Punishment", July 2002.

NK1 receptor function in stress and arcticity, Visiting Professor, NYU School of Medicine, New York, New York, October 2002.

Anesthetic Depth, Paralyels, and other medical problems with isthal injecton protocols: evidence and concerns, Federal Capital Habeas Unit Annual Conference, Jacksonville, Florida. May 2004.

Medical Strutinyof Lathal Injection Procedures. National Association for the Advancement of Colored People Capital Defender Conference, Aidie Conference Center, Warrenton, Virginia. July 2004.

Ameethetic considerations of LVAD implantation. Recurrent lecture at Columbia University LVAD implantation course.

14) Grant Review Committees: None

#### 15) Publications:

Original poer reviewed articles

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## Attachment B

# 2000 Report of the AVMA Panel on Euthanasia



JAVMA, Vol 218, No. 5, March 1, 2001

Report of the AVMA Panel on Eultenesia

## 2000 Report of the AVMA Panel on Euthanasia

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#### Members of the AVMA Pagel

Scenate V. Beuver, DVM, MS, DACVE, (Chair) Department of Scenal Animal Medicine and Surgery College of Vestinary Medicine, Texas AlbM University 4474 TAMU, College Station, TX 77843-4474, representing the APMA Executive Scand.

Willie Reed, DVM, PhD, DACVF, DACPV, Animal Health Diagnostic Laboratory College of Veterinery Medicine. Michigae Sente University. 3648 W. Fee Hall-AHDL, East Levelry, MI 48824-1318, representing the AVMA Council on Research.

Steven Loury, DVM, DACLARC Divisions of Comparative Musicine, Washington University, Son 8081, St Louis, MO 63110, representing the AVMA Animal Walfare Comparative.

Remains McKiccotts, DVM, DACVIM, Desver Vetertrary Specialism, 3685 Kipitry St, Wheat Rickys, CO 85033, representing the American Animal Hotolist Association.

Fubribald Balas, DVM, DACVIM, DACVR DACVECC, Hagyard-Davidson-RicGes Assectates 79C, 4250 Iron Works Pike. Leakington, KY 40811-8412, representing the Association of Equates Proceedings.

Roy Schnitz, DVM, MS, DASVE 1114 N Front Ave. Avoca, IA 51521, representing the American Board of Veterinary Practitioners.

3. Taylor Sensors, DVM, PhD. DACLAM, Biologic Resources Laboratory (MCSSI). University or littests at Chicago, 1840 W Taylor St. Chicago, IL 80812-7348, representing the American College of Laboratory Aniensi Medicine.

Peter France, SVSc. DVA, DACVA, DECVA, Department of Surgical and Redictionical Sciences, Science of Veterinney Medicine, University of Calefornia, Duris, CA 95916-8745, representing the American College of Veterinary Aresthesis Inglan.

Elizabeth Shull, DVM, DACVE, DACVEM (Neurology), Venetury Specialty Consultation Services, 1508 Sob Kirby Rd, Knowelles, TN 37831, representing the Associate College of Veteriury Behaviorists.

Limin C. Cork, DVM, PhD, DACVE Department of Comparative Medicine, School of Medicine, Stanford University MSCS Soliding, Hours X147, Stanford, CA 94306-3415, representing the American College of Veteriousy Pathologists.

Buth Francis-Floyd, DVM, MS, DACZM. Department of Lurge Animal Clinical Sciences, College & Venetiumy Madicine, University of Plotids. Sent 100139. Generality, FL 32510-0138. supremoting the International Association of Asympta Animal Medicine.

Kettle D. Ammer, DVM, Safe-Cepture Intercentional Inc. PO Box 200, Mount Horse, WI \$3572, representing wildlife regulatory-vectors associate.

Richard Johnson, PhD, Department of Physiological Sciences, College of Veterinary Medicine, University of Physiological Sciences, College of Veterinary Medicines, University of Veterinary Medicines, University of Physiological Sciences, College of Veterinary Medicines, Col

Robert H. Schmidt, MR, PhD, Department of Fisheries and Wildlife, Useh Same University, Logue UT \$4322-5210, repretending the wildlife defining contemporaries profession.

Wandy Underwood, DVM, MS, DACVIM, Lifty Corporate Covers, 25 Lifty and Co. Indianapolis, IN 46285, representing the National Scattleton for Assemble Agriculture Suchements Task Force.

Gue W. Thorston, DVM, DACVDL Mesophusetts Society for the Preventors of Crusky to Antenia (MSPCA). American Humana Education Society (AHES), 350 S Humbington Ave, Bosson, MA 02130, representing on unitasi prosection agency.

Burkern Kelte, DVM, USDA/APHS/Animel Care, 4700 River Road, Unit 64, Riverdale, MD 20737-1234, representing the USDA/APHS.

#### PREFACE

At the request of the AVMA Council on Research, the Executive Board of the AVMA convened a Penal on Euthannels in 1999 to review and make necessary revisions to the fifth Panel Report, published in 1993. In this convent version of the report, the panel has updated information on outharnels of animals in research and animal care and control facilities; expended information on ecothermic, equatic, and tra-boaring animals; added information, equatic, and wildlift; and deleted methods or agents considered unacceptable. Because the panels deliberations were based on currently available scientific information, some outhansis methods and agents are not discussed.

Wathre transar are increasingly being identified in the management of free-ranging wildlife, and the need for humans authorists guidelines in this correct is great. Collection of animals for actantific investigations, authorists of injured or diseased wildlife species, removel of animals crusting deemage to property or threatening human safety, and authorists of enimals in excess population are drawing more public attention. These issues are acknowledged in this report and special considerations are described for handling animals under free-ranging conditions, where their needs are drawing an different from these of their dementic managements.

This report is intended for use by stembers of the

JAWAIA, Vol 218, No. 5, March 1, 2001

Report of the AVMA Pener on Euchensels

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veterinary profession who carry out in oversee the sucharasts of enimals. Although the report may be interpreted and understood by a troud sugment of the general population, a veterinarian should be computed in the application of these incomprendations. The practice of veterinary medicine is complex and involves diverse and residently indicates in complex and involves diverse and read application of these incomprendations. The practice of veterinary medicine is complex and involves diverse and read species. Whenever possible, a veterinarian experiment of species in quantion should be committed when selecting the smethod of enthartests, particularly when little species-specific sechances in research in their operation and use of this report are down. Although interpretation and use of this report are opened overriding commitment is to give veterinarians guidines in relieving pain and suffering of submands that are to be exchanged to serve as guidelines for veterinarians who muse then use professional judgment in explaying them to the verticus settings where antirals are to be exchanged.

The term sudmanate is derived from the Constitution of the term sudmanate is derived from the Constitution of the season inhancing doubt. A pass death would be one the occase with manning doubt. A pass and distress, in the context of this report, sudmanated that the set of traducing harmens death in an articular it is our responsibility as verial-response and harmen beings with the playment degree of respect, and with an employer with the highest degree of respect, and with an employer with the highest degree of respect, and with an employer with the highest degree of respect, and with an employer with the highest degree of respect, and with an employer with the highest degree of respect, and with an employer with the highest degree of respect, and with an employer with the highest death as paintened and restricts and discress and traditions of consciousness. The passet recognized that the spectral arms of consciousness is passed to be a subject to the interpret to action and discress with the residing of the interpret to action. This report were well that settlety of the many environments and discress with the residing of the interpret with appropriate treasments are passed to remain a resultshed on the suchanders of passed to remain a resultshed on the restricts for playinges for the questes involved absolute the resultshed on the suchanders of passed the results from necessarily places for the results in passed to account and activation of other (non-necessarily places) that activates not necessarily places of the activates of the results and activation of other (non-necessarily places) that activates and and committee of other the word necessarily to be seen necessarily places of manning to injure and copies in passed by continue activate from merchanical contents and other assessing to passed by acting a primary necessarily of the season of the passed of

An understanding of the continuum that represents areas and distring to essential for evaluating cachaliques that minimize any distring experienced by an animal being authorizing. Since has been defined as the effort of physical, physiciologic, or emotional factors (streetied) that industry as alteration in an estimals hosteostatis or alteration as a strength of an animal to streat represents the adjustive process that is necessary to remove the baseline mactal and physiciologic actual. These responses may involve changes the seminal manufactual description of streat stand mental status that appoint responses that is nearly and mental status that the overt behavioral changes. An antimalis response varies according to the response that any tenut to overt behavioral changes. An antimalis response varies according to the resimilar influence phases." Eustres results when hermies standal initians adaptive responses that are beneficial to the antimal. Neutral attent cesults when the animals called and combine, in section of mentals inserting with its well-being and combine, in

and commert...

As with range other procedures involving sames, some methods of sutherness areases physical handlong of the automat. The amount of control and kind of restraint required will be desarratived by the automate species. broad state of control and kind of restraint required will be desarratived by the automate species. broad states of obligit in viral to matched of sutherness. Proper has other facts to the second of sutherness. Proper has other facts to the second of the persons performed and others, to pecter other people and existent.

An in-depth discussion of sutherness personness who perform outleaness return the hechtiques to be used, and caparismos who perform outleaness return the hechtiques to be used, and translate returned for another of the scope of this report has returned for another of the scope of this report has returned for a submate of animals to be wethernized to answer the section and translating evertamized for the hechtiques to be used, and caparismos with the moditaries with the moditaries of the forthernized to answer the forthernized to the species being outleaness after the translation of how invidiging of the modernation of superiors and surface with the correction and accordance and appreciation of how invidiging and restraint after that the submerse and the mechanism by which the selected active control industrials and of the mechanism by which the selected active activities and the useful and the submerse and the useful of personnel, multiple means of animal involved, available indomination of characteristics for acceptable institutes of characteristics for acceptable in any gives always and conditionally accepta

tionally acceptable methods of enthancels. Appendix 4 provides a surranty of some unacceptable enthances, agents and methods. Criteria used for acceptable, conditionally acceptable, and unacceptable methods are as follows: acceptable, and unacceptable methods are as follows: acceptable methods are those the content of produce a humane death when used as the sols means of eitherwasts; conditionally acceptable methods are those achiques or because of gream potential for operacce error or safety hazards might not consistently produce humane death or are unidods not unacceptable techniques are those methods are under any conditions or that the grand humane ander a substantial risk to the human applying the bechnique. The report also includes discussion of several adjunctive methods, which are those methods that that can be used so the sole method of euchanesia, but that can be used to conjunction with other methods to produce a humane death.

In eveluating methods of suttermes, the panel upon the belowing charts (!) shifty in sature has of correctionment: (!) shifty in sature has of correctionment: (!) shifty in sature to be of correctionment: (!) shiftship; (4) aship of processively (!) sentended of correctionment: (!) retreated effect on chart set of correctionment: (!) shiftship; (4) aship of processively (!) compatibility with manual species (!) compatibility with sature; (!) aship to method of processive (!) compatibility with species (!) compatibility sp

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mais to be cognizant of these typics, it does not believe that this report is the appropriate forum for an indepth discussion of this topic.

It is the intext of the panel that outhanists be performed in accordance with applicable federal, sints, and local laws governing drug acquisition and extraga, occupational laws governing drug acquisition and extraga, occupational of aritmals, However, spece does not permit a review of current federal, ease, and local inguissions.

This period is aware that circumstances may artist that are not clearly covered by this report. Whenever such situations arise, a vessional properlanced with the species should use probasional judgment and knowledge of clinically acceptable techniques in selecting an appropriate authorises will take iros considerations and heaviers and to species-specific physiologic and behavioral size and to species-specific physiologic and behavioral nearth to species-specific physiologic and the standards also and to species-specific physiologic and highest ethical standards and apoint conscious with the highest ethical standards and apoint conscious of the standards actions according to the highest ethical standards and apoint conscious of the standards and apoint conscious of the standards actions and apoint conscious of the standards and apoint conscious of the standards and apoint conscious of the standards and apoint conscious and with the highest ethical standards and apoint conscious and apoint conscious conscious and apoint conscious

It is importative that death be verified after outhanists and before disposal of the entimal. An animal in deep naccats following administration of an injectable or inhalact agent may appear deed, but might eventually recover. Death must be confirmed by examining the entimal for consistent agent and consideration given to the extent appoint and method of authanists when determining the criterio for confirmed when determining the criterio for confirming death.

The need to minimum artificial distress, including few, artificial approximation, cause to considered in determining the machadra of each environment), creming few minimum and substantials. Gentle metrains (preferably in a femiliar and substantials. Gentle metrains (preferably in a femiliar and substantials. Gentle metrains (preferably in a femiliar and substantials often have a calcular and taking during authorisms of an achieving the best conditions for each area to being having the best conditions for each area in the precipitate that any sectatives or anesthering given at this stage that change circulation may delay the onset of the outhernain agains. Preparation of observers should elso be taken into consideration.

Anistials that are wild, fired, injured, or already the trained from diames pose streather challengs. Methods of pre-exchannes in handling autiphia for drages of methods for minimistration any exchange handling the scheduling them any exchange procedure of methods to considered when exemples, the days of restraint may cause pain, injury or arcising capture or restraint may cause pain, injury or arcising capture or restraint may cause pain, injury or arcising capture or restraint may cause pain, injury or arcising to the animal or days to the operator, the use of tranquitizers, and or days to the operator, the use of tranquitizers, are performed. Various archiviques for oral delivery of security to dop and cast discress in the animal for which authorises the least discress in the animal for which authorises must be performed. Various techniques for oral delivery of security to each under these circumstances.

Facial segmentions and body postures that indicate various amounted states of animals have been described for some species. \*\* Referenced and physiologic tesponese to notices attempts to escape, delicrate vocalization, struggling, attempts to escape, delicrate vocalization, struggling, attempts to escape, delicration or redirected aggression, salivation, urination, delegation, wastern, and refer delical muscle contraction of these seasons of their muscles contractions causing altivaring transver, or other muscular species. Unconscious as well as correctous arinals are capable of some of these responses. Feer can cause immobility or 'playing deed' in carcain species, particularly rebots and chickers. This transchilty response should not be interpreted as loss of covaciousness when the arismal is, in fact, conscious. Distress vocalizations, herful behavior, and release of cartain odors or phenomenes by a frightenest antimals. Therefore, for sensitive species, it is desirable that other entimals not be present when individual entimal suctions is performed.

When primals must be exchanationed other as taskvictures or in larger groups, mixed and echted concerns dictate that humans procups, mixed and echted concerns dictate that humans procups, mixed and echted concerns dictate that humans procupes to estimate the otherwald. Human psychologic responses to estimate of a lish as the most common reaction. There are six circumstances under which we are store aware of the effects of animal extransition reaction. There are six circumstances under which we are store aware of the effects of animal extransition, Alchaugh mixely consens rely heavily on their velocitates being their own decision. This is particularly lifely if an event decision expension to particularly lifely if an event decision and the many have mingriving about making their own decision. This is particularly lifely if an event decision and their mixely on their velocitated or behaviour problem to particularly lifely if an extra decision of the mixely expension to particularly lifely if an event decision and their mixely and problem to particularly lifely if an exchange their own decision. This is particularly lifely if an event decision and their mixely ending the problem to particularly lifely if an event decision of their mixely and could respond alcoad to the cause the whet will happen. When owner decision can be discussed and lifely particular and animals and discussing is available through some westmany echocits. An Owners attached to pattern and their rails any also become attached to pattern and their rails any also become attached to pattern they have accounted by authorized or animals and may remain any extension of extensions, desented and injured entends to pattern and animals may be minimized. The pattern particular repeatedly. Emotional unquities, and may develop among personnel directly troobed in particular of estimates of estimates may be minimized. The pattern particular and my benefits and benefits to the surface of animals my be extincted by propile involved with excitations of animals mu

my obligation of exchanges being employed (is, what is going to happen to the animals. When the person is may indicately interpret any movement of authorise as consciousness and about the terminal and consciousness and about the section of animals as consciousness and about the section of animals as consciousness and about the grant of an animals are not a seathers. Melbods that grewlinds incoming the constitution of animals as a schoulance. Melbods that grewlinds incoming the constitution of animals and constitution to organization to animals. The section of a strong sense of work desirablestion or alternation of critical and electrodrian and electrodrian to programs and electrodrian benefitied of animals. This is of created in the principal reasons for humanous of animals, and determine critical protection for selected animal authorised animal authorised protection for the principal reasons for humanous of animals, produced animal authorised animal authorised animal authorised protection for selected animal and determine consolidate in programs to the consolidate. In the selection of the principal reasons for humanous decidences of the selection of animals of the selection of animals the selection of the principal reasons for the selection of animals the selection of the selection of animals that are successfully adopted on the selection of animals that are successfully animals. The fourth alternation is unfailled consolidate and the selection of the selection of animals that are alternated and animals animals that make the authoristical and animals of the selection of the selection of animals that are alternated and animals and animals and animals that an alternation is within the considered. In the deep of the selection is added on the animals animal that are alternated decidences and animals animals and animals and animals and animals animals animal

# MODES OF ACTION OF EUTHANATIZING

Eushansteing spend cause death by three basic mechanisms. (1) hyperts, dreet or indirect (2) direct deprenation of natures recessary for 1th function; and (3) physical disruption of brain activity and descruction of neurons necessary for 1th.

Agends that induce death by direct or indirect hyporis can act at various size and can cause long of connectourses at different rates. For death to be pairties and discreas-few, long of connectourses should precede long of motion activity fravener, carnot be equated with time of motion activity fravener, carnot be equated with time of connectourses are not acceptable as sole agents for currectourses are not acceptable as sole agents for releasants. (ar depolarizing and nondepolarizing sous-cle releasants, expedients, and enginetum some stainals may have acceptable as sole agents for releasants, but this is raffer activity futbould four others activity futbould as act percentions arising the salmal.

A second group of euthermativing agents depone followed by the salmal.

A second group of euthermativing agents depone followed by the salmal.

A second group of euthermativing agents depone followed by the salmal.

A second group of euthermativing agents depone followed by the salmal.

A second group of euthermativing agents depone followed by the salmal.

A second group of euthermativing agents depone followed by the salmal.

For a definition of the agended continuents and second some mascle contraction. These agents release faulting he a so-called continuents and the agents and second some mascle contraction. These faults are a substance followers which there is cardine are and or confidences.

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Paport of the AVMAA Panel on East

siest distressful desch and he hazardous to other eximals and to personnel. (3) Mest of these agents are
hazardous to personnel because of the risk of explosions (eg. schar), naccosts (eg. halothene), hypoxemia
(eg. nitrogen and carbon monocide), addiction (eg.
nitrous outda), or hosith effects resulting from chronic
coposiure (eg. nibrous oxide and carbon monocide), (4)
Alvediar concentrations rise slowly in an usernal with
decreased vertilation, making agistion more librely
durling induction. Other nonthibalant methods of
suthanatal should be considered for such semmin, (5)
Neonatal animals appear to he resistant to hypoxia,
sind because all tafalant agents ultimizely cause
hypoxia, nechatal snitrusis take longer to die than
schilt. Class et al." reported that nevborn dogs, rabbits, and galmes plus sarvived a nitrogen aimesphere
much longer than did adults. Dogs, et I weak old, survived for 16 minutes at I day old, compared with 3
minutes at 8 days or older. Rabbis survived for 18
minutes at 8 days and delen. The panel resommends
that inhalant agents not be used alone in satisfue to kill
the satisfue. (8) Rapid gas flows can produce a notes
that inhalant agents not be used alone in settinate och
that inhalant agents of induce loss of consciousness, followed by the use of some other method to kill
the satisfue. (8) Rapid gas flows can produce a notes
that inhalant agents and satisfue to selected a note
that fighteen arity the use of some other method to kill
the satisfue. (8) Rapid gas flows can produce a notes
that inhalant adont together in chambiers should be of the
series species, and, if needed, should be marrained as
that fighteen arity the designed to selected to other others, and
other they will not hear might distress schemic subscients
ontailmate other than using laborate apportly for
holding these breach and sensenthes scale described and
other flowers and resonant and temps beas of
corrections and control of sensenthes and temp to pass of
corrections and the resonant and temp to parely to

Inhaltent amendination
Inhaltent amendination
Inhaltent amendinates (eg. other, balcohare, methosychiemen, inaflurane, sevosturane, desfurare, and criticanent inaflurane in entre descriptions of the land schile in blood thus halcohare, but, because of its lower vapor pressure and lower potonox, fonduction race, may be similar to those for halcohare, but, because of its lower vapor pressure and lower potonox, influence and the secondared setzure activity riety be discurbing to personnel, isoflurane to be schile then halcohare, and it should induce anesthesis more rapidity. However, it has a slightly pungent oder and animals often hold these breath, delinging onset of loss of constituences, isoflurane etch more and animals often hold these breath, delinging onset of loss of constituences, isoflurane etch more animals agent, halcohare and acceptable as a substantate agent, halcohare and have not have an objectionable ofter, it is into potent

then isoflurane or helothere and hes a lower superpression. Amenthetic concentrations can be echlered and materialistic repidly. Decliurers is courrently the least soluble potent inhalant areasthetic, but the vajor is quite pungers, which triey slow induction. This drug is se volatile that it could displace cargin (O<sub>2</sub>) and induce hypomens during induction if auginemental critical hypomens during hiducation if auginemental could displace cargin (O<sub>2</sub>) and induce hypomens during hiducation with its use may be accompanied by agitation, it is a conditionally acceptable agant for estimanability and explicationally acceptable spant for explicaneating in modern. Sther his high solubility is blood and induces toesthesia slowly, it is britiating to the eyes and near, poses actives risks secretated with as flammability and explicationals, and has been used to create a model for stress.

With inhalant amenthetic, the articular can be placed in a closed mesthesia or any be associated with a bright nearboard may be associated with a bright induction than Vapora are inhaled until respiration cases and death essaus, human the liquid association of most inhalant amenthetics is influented until respiration cases and death essaus, human the influent at the Community of most inhalant amenthetics is influented until respiration of most inhalant amenthetics is influented until respiration of most inhalant amenthetics is influented until reprinced in a large consistent, there will be sufficient of prevent hypomental. In the chariter to prevent hypomental attention to this continees may need supplemental attention of the Nitzens and totaliness may need supplemental attention.

Nicrous audie (N<sub>2</sub>O) may be used with other inhalants to speed the creek of americals, but alone in does not induce americans a solution, even at 100% constantiation. When used by itself, N<sub>2</sub>O produces hypoments before respiratory or cardial arrest. As a result, artificial may become discussed prior to loss of consciousness.

Occupational explosure to inhalant americals of consciousness.

Occupational explosure to inhalant americals continued abstract absorption and congenital absorptions are americals of inhalanton and congenital absorptions of all produces of pregnancy. Supporting huston exposure to inhalants concentrations of halofolises, and less than 25 ppm for nitrous audia. There are no unitrolled studies proving that such concentrations of anasthetics are as in, but these concentrations were established because they were found to be attained a under hospital conditions. Effective procedures must be used to protect personnel from anasthetic under hospital conditions.

Advantages—(1) Inhulast anarchatics are particu-larly relamble for exchanate of smaller arimals (< 7 (q) or for entereds in which reciprocture may be offi-cult. (2) Reformer, testiment, beducture, sevoluture, deshirate, methosythment, and N<sub>2</sub>O are nonderactu-tion and nonesploates under ordinary environmental conditions.

Dissivatespe--(1) Animals may struggle and become auxious during induction of anesthesis because exertiseic vapors may be intuiting and can induce excitament. (2) Ednar is flammable and explo-

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Reconstructed them.—In order of preference, balothams, orifurante, bioflurante, sevolturante, methosysturante, and degiturante, with or without nitrous oxide, are acceptable for outhanists of small aritmats (< 7 kg). Either should only be used in carefully controlled situations in compliance with state and faderal occupations health and salkey regulations. It is conditionally acceptable, Nitrous cacks should not be used alone, perchap further scientific studies on its salability for artifical suitenasts. Although acceptable, these agents are generally not used in larger serious because of their cost and difficulty of admirispration.

Room air contains (LDR) carbon discrete (CO<sub>2</sub>), which is however then air and marry odorina, Inhalation of CO<sub>2</sub> at a concuntration of 7.5% increases the pain threshold, and higher concentrations of CO<sub>2</sub> have a rapid amenthesis effect, and ingher concentrations of CO<sub>2</sub> have a rapid amenthesis effect, and the experimental use of CO<sub>2</sub> as an established again for dogs. At concentrations of CO<sub>2</sub> as an established again for dogs. At concentrations of CO<sub>2</sub> as an established again for dogs. At concentrations of CO<sub>2</sub> and inhalation of 60% CO<sub>3</sub> reading, or varieties, For cast, inhalation of 60% CO<sub>3</sub> reading, and respectively with deep surgical amenthesis, such as loss of ormations in decreased by use of higher concentrations of CO<sub>2</sub> with as fit to 100% concentration providing amenthesis in 12 to 33 seconds in mass and 70% CO<sub>3</sub> to C<sub>3</sub> toducing establishments in 40 to 30 seconds. The concentration is increased alongly rather than ammenting the animal in the full concentration intermediately.

Several investigators have suggested that information to animals. The insulting product, orthonic acid, may stimulate noticeptors the gas dissolves in molecure on the massis supposed to concentrations of CO<sub>2</sub> to C<sub>3</sub> to account the statement of the animals. The insulting product, orthonic acid, may stimulate noticeptors the gas dissolves in molecure on the massis supposed to concentrations of CO<sub>2</sub> to account material distribution of high concentrations are nontous. The insulting product, orthonic sudy of such animal supposed that inhalator noticeptors in the small mucrus, Some humans exponent to concentration of the security of such animal supposed the inhalators are nontous. The insulting product, or tour study of such animal supposed to concentration of the security of concentrations of CO<sub>2</sub> to CO<sub>3</sub> exposure that inhalators are nontous. The inhalator of the security of CO<sub>3</sub> exposure to the supposed to animal supposed to account to the supposed of small laboratory animals, including mices trained by behavior and dis

der everne pign, citicheren, and rabbitts, "17" and to revise der everne unconscious before humane sleughtes: 22 h. The combinations of 40% CO<sub>2</sub> and approximately 3% CO has been used experitorically for eacherachy of dogs." Cerbon dismitte has been used in specially designed chambers to authorisize individual cast." Studies of 1-day-old chickers have revealed that CO<sub>2</sub> is an effective eatherachy antimals. "The CO<sub>2</sub> caused little distress to the birds, suppressed mercuta activity, and induced death within 5 minutes." Because respiration begins during embryonic development, the uniquebled chickers is environment may comment, the uniquebled chickers as high as 16%. Thus, CO<sub>2</sub> concentrations for exchange environment may committy have a CO<sub>2</sub> concentration as high as 16%. Thus, CO<sub>3</sub> concentrations of other species should be expecially high. A CO<sub>3</sub> concentration of 60% to 70% with a 5-misute exposure to the species to be optimal."

In studies of within, high concentrations of CO<sub>3</sub> would kell these quickly, but a 70% CO<sub>3</sub> concentration induced less of concentration as the stifting of some burrowing assistant, such as rabbits of the apactas Crystaligus, also have prolonged survived trines when exposed to CO<sub>3</sub>. Some burrowing and diving artificials have physiologic ritichesiants for coping with hypercapits. Therefore, it is necessary to have a sufficient concentration of CO<sub>3</sub> to kill the entired by hypocamia following induction of enestees with CO<sub>3</sub>.

Advantages—(1) The rapid depressers, analysis, and areadretic effects of CO<sub>2</sub> are well established. (2) Carbon disadds is resultly available and care be purchased in conspensed gas cylinders. (3) Carbon dioxide is inexpensive, nordamentable, normalization, and poses rainingst intered to pursonnel when used with properly designed equipment. (4) Carbon disadds does not result in accumulation of times residues in fixed-producing entends. (5) Carbon dioxide subternels does not dissent markes chulinaryic analyses<sup>2</sup> or curticularure concentrations.

Disadesstrages—(1) Recause CO<sub>2</sub> is heavier than air incomplete filling of a character may permit extrain to client or raise their heads sterve the higher concentrations and avoid exposure. (2) Some species, such as flets and burrowing and diving transmists, such as flets and burrowing and diving transmists, say have extraordinary tolerance for CO<sub>2</sub>, (3) Registes and amphibiants may breakle ton alongly for the use of CO<sub>2</sub>, (4) Euchannesis by expranses to CO<sub>2</sub> may take tonger than suchestesis by other means." (5) Induction of ions of correctorumess at lower concentrations (a \$0%) may produce pulmonary and upper respiratory tract leatons." (6) High concentrations of CO<sub>2</sub> may be distrustful to some entitude.

Recommendation—Carbon riterates is acceptable the eachenses in appropriate species (Tables I and 2). Compressed CO<sub>2</sub> gas in cylinders is the only recommended accepts of cerbon dioxide because the inflow to the chember can be regulated precisely. Carbon dioxide generated by other methods such as from dry ice, fire extinguishers, or chemical means (eq. actacide) is urascoptable. Species should be asparated and chem-

bers should not be overcrowded. With an animal in the chamber, an optimal flow cate should displace at least 20% of the chamber volume per relatives." Lass of consciousness may be beduced more rapidly by exposing animals to a CO<sub>2</sub> concentration of 70% or more by pre-filling the chamber for species in which this has not been shown to cause discress. Cas flow should be maintained for at least I relative after apparate clinical death." It is important to verify that en aristnel is dead before responsing it from the chamber. If an animal is not dead, CO<sub>2</sub> narcosis must be followed with another method of euthanasta. Adding O<sub>2</sub> to the CO<sub>2</sub> may or may not proclude signs of discress." Additional O<sub>3</sub> will, however, prolong time to death and may complicate descriptions of consciousness. There appears to be no advantage to combining O<sub>3</sub> with carbon dicorde for outhanasts."

Nitrogen (N<sub>2</sub>) and argon (Ar) are colories, oder-less gases that are insert, nonflammable, and nonexplosive. Nitrogen comprises 16% of samosphere att whereas Ar comprises less than 1%.

Euthermath is inframed by placing the animal in a closed concainer that has been profilled with N<sub>2</sub> or Ar or into which the gas is then rapidly introduced. Nitrogen/Ar displaces O<sub>2</sub>, thus inducing death by hypotentia.

In endless by Herin et al.\* dogs becames unconscious within 76 seconds when a N<sub>2</sub> concentration of \$8.5% was active to it as the area had greater to \$8.5% was active to itself of coefficients. The electromorphishing an (EEG) became landscripe (flux) in a man time of 80 seconds. Atthough all dogs hyperweitlisted prior to itself of coefficients, the investigators correlated that this method induced death without pain. Following loss of caractousness, the investigators correlated that this method induced death without pain. Following loss of caractousness, we calculate appears period, all dogs were dead.\* These finding were samiler to those for rabbin\* and mink. \*\*

Whis N<sub>2</sub> flowing at a rate of 39% of chamber volume per minute, rate collapsed in approximately 3 minutes and since the rate of 18% of chamber volume and some the rate collapsed and disd.\* Insersitivity to pain under such circumstances is questionable.\*

Transpullimation with acopportuniting, in conjunction with M<sub>1</sub> estimated of dogs, was investigated by Quine et al. Using RCG and RRG recordings, they found these dogs had much longer aurities them dogs not given acaptaneatine before administration of M<sub>2</sub>. In one dogs RCG activity continued for SI relations. Quine also addressed districts associated with exposure to N<sub>2</sub> by removing cats and dogs from the chamber following loss of contributions and allowing them to nectiver, When these aritimals were put back two the chamber, they did not appear afted or apprehensive. Investigations into the averainess of Ar to swine and poultry have revealed that these prismits will tolerate breathing 90% Ar with 2% Q<sub>2</sub>,<sup>(6)</sup> Swine volunture, for a

food reward, and only withdraw from the chamber as they became stauct. They revesered the chamber instrudiately to constitute eating. Foultry site entered and chamber containing this mixture for a food reward and continued eating until they collapsed. When Ar was used to extinuates chickens, exposure to a chamber prefitted with Ar, with an O<sub>2</sub> concentration of < 2%, led to EEG champes and coffinges in 0 to 12 securità. Sincia removal from the chamber at 15 to 17 securità fatted to respond to comb planching. Continued exposure led to respond to comb planching. Continued exposure led to convulsions at 20 to 24 securità. Securiti ac convulsions at 20 to 25 securità. Securiti as convulsion onset was sher ions of constitutiones. (collapse and loss of response to comb planch), so this would appear to be a harmane method of exchanges for the chickens. Despite the availability of some beforeaction, there is still much about the use of NyAr that needs to be investigated.

Advantages—(1) Nitrogen and Ar are modify evaluable as compressed gases. (2) Hanards to personnel are minimal.

Disadvantages—(1) Loss of consciousness is pre-called by hypotensia and ventilatory admission, which may be distressing to the stripsal. (2) Resemblishing a low concentration of O<sub>2</sub> (in, 8% or greates) in the chamber before death will allow turns-dises recovery.

Recommendation—Nirrogan and A<sub>T</sub> can be discretifial to some species (eg. racs).<sup>28</sup> Therefore, this sectualities to conditionally acceptable only if O<sub>T</sub> concustrations < 2% are achieved repidity, and asistants are heavily actuated or amethestand. With heavy seductor or angeltoes, it should be recognized that death only be dailyed. Although N<sub>T</sub> and A<sub>T</sub> are effective, other methods of authorsels are preferable.

Carbase systematides
Carbase systematides (CO) is a coloriest, oderiest gasting in nonflaminable and nontempletative unions extremite trations exceed 10% is combined with himselphia to form carbonyhamogiches and blocks uptake of Q<sub>0</sub> by systematically to fittel hyponemia.

In the past, mere subtracted his generating CO; (1) chambral instruction of another for generating CO; (1) chambral inseraction of another formational measurement combustions engines, and (3) commissionally compressed CO in cylinders. The first 2 suchniques are associated with problems such as production of other generations of cylinders and suchniques are associated with problems and such as production of other generations of cylinders. Therefore, the only ecooptable squares is compressed CO in cylinders.

In a study by Ramsey and Elization.\* Sh CO caused guines pigs to colleges in 42 seconds to 2 minutes, and death occurred within 6 minutes. Carbon monarcide has been used to subspaced in 1 minutes, breathing cassed in 2 minutes, and the baset empty of beating in 5 to 7 minutes.

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may yours s ni could not determine the prephysiologic and bahav sposed to \$36 CO in size

Chalifeture and Gallery Could for calestrative we proceed within of these of consciousness. Electrostrophysics who what is a consciousness. Electrostrophysics who was a control of consciousness and the country of the of Consciousness, it was charing this period that the dogs became this experience distress; however, humans in this was have arrevaled that transplatization with experience distress; however, humans in this was been reportedly are not determined. Subsequents and physical first received from the contact to onese of classical signs (exp. yeverwing, singuring, or resulting). Firsts II extended from the end of phase if until death. The study revealed that signs of agintism phase is received from the cartisment of the study revealed that signs of agintism before loss of consciousness were greates with CO, plus O<sub>2</sub>. Convulsions occurred darking phases III and III with both mathrashy and security than the customent and phase internshibitation was greater with CO, plus O<sub>2</sub>. Convulsions occurred darking phases III and III with both mathrashy and security than with CO alone for mathrashy and security than with CO, alone for mathrashy and security than with CO, alone for mathrashy and security than with CO, alone for was move littley to present in monatci plas, certification was moved littley to present with new of competences of the pigs were expected to a regal date in CO concentration, the proposition and endought and process of easy than Occurred to the proposition of certifications and endought and process of easy than Occurred to the proposition of certifications are not endought to a concentration of concentrations of presentes and endought as an tod nects spin domestical and colleges in all to a consciousness and death, respectively. Carbon measures it

Advantages—(1) Carbon monotode includes loss of contactourness without pain and with minimal disconnible disconnible. (2) Hypomenie included by CO is insideous, so that the arbinal appears to be unaverse. (3) Death occurs repidity of concentrations of 4 to 6% are used.

Disadvantages—(i) Sufaguards itsust by taken to revent exposure of personnel. (2) Any electrical

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equipment exposed to CO (eg. lights and first) must be suplesten proof.

Recommendations—Cartoon monocide used for individual animal or case eurhannatis is acceptable for dogs, cats, and other small manimals, provided that commencially compressed O3 is used and the following precautions are taken: (1) personnel using CO must be instructed theroughly in its use and amist understand to hazards and limitations; (2) the CO source and chumber must be of the highest quality construction and should allow for separation of individual animals; (3) the CO source and chumber must be located in a well-ventilated environment, preferably out of doors; (4) the chamber must be well itt and have view ports that allow personnel direct observation of animals; (5) the CO flow rese should be adequate to rapidly achieve a uniform CO concentration of at heat 6% after animals are placed in the chamber, although same species (eg. recents) pigs) are less libely to become agitaged writh a gradual rise in CO concentration. and (8) if the chamber is inside a room, CO monitors must be placed in the room in warm personnel of hazardous concentrations. It is assential that CO use be in compilance with state and federal occupational health and safe-ty requisitions.

# SOURCEALANT PHARMACTUTICAL

The use of injectable cuthanusis agants is the most rapid and reliable nucled of performing estimates, it is the most desirable method when it can be performed without causing her or discress to the animal. What the restrict necessary for giving an animal at intravenue injection would impare action distress to the satural or pose undue risk to the operator, audition.

Americani, or an accomptable alternate reuse of electrical craines abund to expendent attention.

When intervences alternates again.

When the exchanges against interpretation is considered to proposition of the exchanges against a acceptable. The provided the drug does not considered administration of the exchanges actionness against a acceptable, provided the drug does not considered accomptable in the constant accomptable interactions accomptable, interactions, intrapplications, intransposition, interactions, inter

Serbiturie axid derivethves bytherits decres the central nervous system in decending order, beginning with the cembral cocton,

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with loss of consisteurness progressing to ansathesia, With an overdose, deep studiestis progresses to apasa, owing to depression of the respiratory central, which is followed by ctartise areas.

All barbitude acta derivatives used for ansathesis we acceptable for eatherstate when administrated intra-vonciulty. There as a repid orast of action, and loss of entire actions and loss of entire and or transfers pain associated with varioustics maintained or transfers pain associated with varioustics, long-prescribed in selection, and interpenative. Softum acting, stands the abusiness are those that are power, long-personalist that these orders and is stood weldly exceptable, the others such as acceptable are also acceptable.

Advantages—(1) A primary advantage of barbing, rates is spend of action. This affect depends on the dose, concentration, route, and rate of the injection, (2) Recharates induce euthermals smoothly with minimal discomfort to the andreal. (3) Earbitunities are less expensive their many other euthernaties.

Discrimingus—(1) Intravenous injection is necessary for been results and enjuries instance personnel. (2) Each status instance from feature factorial factorial drug regulations regular strain accounting the barbital rates and these must be used under the supervision of personnel registered with the 15 Drug Euforcement Administration (DEA). (4) An associated graph objections (3) There drugs and no person in unconnectous scientist cause adultion or even deach of antimute that connectous

Recommendation—The advertages of using barts-turnes for euthermie in arrell animals for curveign sold derivetive is the preferred nethod for exhausts of dogs, eath, other arrall animals, and horses, interperturned injection may be used to struction when an intervenous injection may be used to structions even dangerous, furnishment or used to struction and if the animal is heavily sediend, uncomment or anostication.

Peritobarhital commissions as formulased to include a battituric and derivative (amady sodium agents that a battituric and derivative (amady sodium agents that metabolise to perioderbital). Although pharmeologic effect is inconsequential. These continuities making them additives are showly cardioexic, the mineracologic effect is inconsequential. These continuities, making them assemblies by the DRA as Schedule III and administration from Schedule III and administration for sodium perioderbital. The pharmeologic properties and necessimanes are of combined to be combined on the sodium perioderbital with indectine or pharytons are internangeable with those of pure battituric acid derivatives.

A combination of pentobaching with a neuro-muscular biociting agent is not an acceptable codements agent.

Chlorial hydrate depoises the cerebrum storify; thanklan, restraint may be a problem for some salmale. Death is caused by hyposemie relating from progressive depoised of the respiratory certain, and may be precided by gauging, stuacts spacers, and vestilisation.

Recommendation—Chlorel hydres is conditional-ity acceptable for extramels of large animals only when administered interventually and only ofter selection so decrease the attenuationed undestrable side effects. Chlorel hydres is not acceptable for dogs, can, and other small animals because the side effects may be sevent. Persisters can be assistatedly objectionable, and other products are better choices.

T-6:1

T-6:1

T-6:1

T-6:1

T-6:2

T-

Triangles residence sufference (1958 222, Targe MS 222, Targe MS 222 is commercially available as tricates extreme attornes (Targ.) which can be used for the extrement of surphibles and fib.) which can be used for the extrement of the same of the attorness of the attorness. The attorness of another at a new attorness at a new attorness at a new attorness at a new attorness and a new attorness and a new attorness at a new attorn

Pretaveliers obtained in acreparation with print general executions.

Although uniscopushe and condensed when used in unemarketized univaria, the use of a supervaunited solution of pecanism chicris tipleted intravenezation of pecanism chicris tipleted intrastreatized is an acceptable method to produce cardiac
area and death. The potentium ton actual under general
area and death. The potentium to the cardiamet. and
rapid and averages or introductive advantages for suthemass
of thresport or widdlife species to reduce the risk of mocarcuson of euthalmetized entimals may be consigned, solv.

Advantages—(1) Potamium chloride is not a controlled subscance. It is easily acquired, transported, and mixed in the field. (2) Potamium chloride, when used with appropriete methods to render an enhant usconscious, results in a carcase that is potentially less teach for activating and predictors in cases where carcase disposal is impossible or impossible.

Disadvasuage—Rippling of inuacie tissue and churic speams may occur on or shortly after injection.

Recommendations—It is of utmost importance that personnel partherning this technique are trained and knowledgeable in anesthetic techniques, and are competent in assessing anascheric depth appropriate for exiministration of potentium chloride intravenously. Administration of potentium chloride intravenously requires arimals to be in a samplest plane of anesthesis characterized by less of controloumess, loss of refuse muscle response, and loss of mappense to noticus attentia. Setterated potentium chloride solutions are alliquive in causaing cardine arrest failureing rapid latracerdate or intravenous injection. Residual these concentrations of general areathetics after assachatic tridustrations are been documented. Wherever no scavenigar conforms have been reported with potentiam chloride in combination with a general assettate, proper carass disposal should always be accumpated to prevent possible toulcants by consumption of a carcass contaminated with general areathetics.

Unassesptable injectable aggrets

When used slose, the injectable agents itsed in Appendix 4 (surpristins, nicotine, cultains, singussium salines, potentium chloride, cleaning agent, activate, distributions and other easies or sales, and all restromatous blocking agents) are unacceptable and are absolutely condemned for use as exchanged agents.

Physical methods of eacherses include captive bolt, gainstee, carried dislocation, decapitosion, electronation, reteroways traditation, till traps, thoracic compression, examiguitation, stanting, and picking. When properly used by skilled personned with well-respectively feath of picking respectively feath to test the act antique and be more repid, petriese, humans, and precised that other forms of eatherses, humans, and precised the collections of eatherses, humans, and precised the collections of eatherses, but should be considered adjuncts to other forms of eatherses, but should be considered adjuncts to other agents or methods.

Some consider physical methods of eatherses when what is perceived as aesthetic and what is most humans as an amount of the method for extraments and rapid rules of pals and suffering in certain structural trained and methods of sutherses, franciscal recharges partnerses. That person must also be sentiative to the sentiacies. That person must also be sentiative to the sentiacies and machod and inform oxidolism about what they should supact when possible.

Since most physical methods involve traums, there is influent risk for initials and harmen. Extreme care and caution should be used. Still and experience of personnel is essential. If the method is not perfected corrocally, animals, and perspend may be trijured. Interpretational persons should be trained by experienced persons and should practice on caccases or unasthetized arthresis to be sustained properly and humanaly. When done upproprisely, the purel consider most physical methods conditionally acceptable for eschanasis.

A penetrating angelive book is used for exchanges of nutriments, horses, swine, information enditing and dogs. In mode of action is concustons and majora to the cascinal horsephere and brainneau, "" (againg bolk gues are provide sufficient energy to generate the act and provide sufficient energy to generate the sking and it to special motivate on which they are buing used. "Adequate matraint is important to assure proper piece, mest of the captive bolk. A caretand horsephere and the brainsteam must be sufficiently disrupted by the projectile to induce audies has no consciousness and action for various species has been placestant of captive bolts for various species has been placestant of captive bolts for various species has been described. "" A multiple projectife has been suggested as a more effective (active, specially for large cartie."

A nariousnething captive bolt only stars quintelled and should not be used as a sole meets of authorization. Summing under "Adjunctive Madhods").

Advantage—The personning captive bold is an effective method of earlianness for use in simpleser-house, to research facilities, and on the facts when use of drugs is trappropriate.

Dissipations: (1) It is sentiatically displausing.
(2) Death any not secur if equipment is not maintained and used property.

Reconstantiations—Use of the personning captive bold in an acceptable and provided method of subbanesia for bereau, numinaria, and every. It is conditionally acceptable in other appropriate species. The non-personning captive bulk must not be used as a sole nation of subbanesis.

Retharms by a bigger by the head

Butherage by a blow to the head must be evaluated in terms of the semicrete figures of the species on which it is to be performed. A blow to the head can be a human method of nutherage for monated angula with the cranitum, ruch a young pigs, if a single sharp blow delivered to the central shall have with sufficient force on produce immediate deprecion of the others naturally species and destruction of brein the sum property performed, loss of constourness is rapid. The ameterial features of necretal calves, however, rules a blow to the head in this species unsecuptable. Featurest performing subminest by use of a blow to the head must be properly trained and more coptable. Featurest parterning subminest by use of a blow to the head must be properly trained and more coptable. Featurest parterning subminest and more coptable, force and must be properly trained and more to the productions.

A property placed gunetics can cause immediate inversibility and humane death. In some circumstances, a gunetic cray be the only practical method of euthemests. Shooting should only be performed by highly skilled personnel trained in the use of firearm and only in jurisdictions that allow for legal firearm use. Personnel, public, and nearby entitual safety formed outdoors and away from public access.

For use of a gunstrox to the head as a method of entrances to that the properties entered the brain, causing account differences in train position and shull be instant been of consciousness. Nation This must take into matter these of consciousness, which had not active into matter the beauting account differences in train position and shull conformate the feet of skull bone and sinus penetration, was species has been described, "Assert penetration of watching interest for widdle and other feety mammag animals, the preferred legisters and should be the head. The appropriate fiveness should be the head. The appropriate fiveness penetration of brain tissue without emplement from the convenients side of the head. "A guseffort to the heart or neck does not immediately render animals penetricion and than is not considered in meet the line penets definition of outherwise."

Advantages—(1) Loss of connciousname is training nature of the projectile destroys more of the brain. (2) Given the need to minimise stress included by harding and human contact, gundent stay at times be the most practical and logical method of authenants of wild or tra-ranging species.

Dissolventages—(1) Guessian may be dangerous to personnel. (3) it is essilectedly unpliested. (3) Under Said conditions, it may be difficult to hit the vital carget area. (4) Brain timus may not to able to be examined for evidence of rables influction or chronic wasting disease when the head is topping.

Recommendations—When other methods cannot be used, an eccurricity delivered gurnifiest is a conditionally ecospicitie arethod of exhausts in the passes a salinal can be appropriately restrained, the passe inding captive took is presented to a gurnified. Frior to shooting, animals accustomed to the presence of humans should be treated in a calm and remaining manuser to minimize actually in the case of wild animals, gurnified adminishing the first humans correct occasions. Gurnified the delivered with the least amount of prior humans correct occasions. Gurnified to should not be used for routine exhausted of animals in animal correct settled animals and control situations, such as municipal pounds or animal correct settled pounds or animal correct set

Convicual dislocation is a technique that has been convical dislocation is a technique that has been used for many years and, when performed by well-trained individuals, appears to be humans. However, there are few actinnific attaches to confirm this observation. This technique is used to exthemetize poultry, other small birds, mice, and tempsters cuts and ribbits. For mice and rais, the thumb and index finger are

placed on either side of the most at the base of the shull or, alternatively, a rod is pressed at the base of the skull. With the other hand, the base of the tail or the hind limbs are quickly pulled, causing apparation of the catival versitives from the skull. For immense rebbin, the head is held in one hand and the finds inhibs to the other. The entend is accepted and the find limbs to the other. The entend is accepted and the find limbs to the other. The entend is accepted to separate the first carrical vertical from the skull. For poultry convical dislocation by strengting is a common method for mass suchanasa, but loss of consciousness may not be inscribed to suggest that electrical activity in the brain persists for 13 seconds believing convical dislocation.

Data suggest that electrical activity in the brain persists for 13 seconds believing convical dislocation. The consciousness are the consciousness.

Advantages—(1) Cervical dislocation is a tuch-native that may induce rapid fast of connciousness. A sit (2) It does not chamically ownershale these. (3) It is rapidly accomplished.

Dissipatings—(1) Carvical dislocation may be seatherically displeasing to personnel. (2) Carvical dislocation requires mestering unchinical skills to ensure loss of connectournes is repidly induced. (3) its use is limited to poultry, other small birds, mice, and immediate rate and rabbits.

Recommendations—Mightual corrical dislocation is a human wechnique for outhersand of poultry other small birds, rities weighing < 200 g, and rubbing weighing < 100 g, and rubbing weighing < 1 kg when performed by individuals with a demonstrated high degree of sectorical producions; in light of demonstrated technical competency, animals must be actioned or examinating prior to carvical dislocation. The seed for recipitate competency is greater in heavy run and rubbin, in which the large mustle mass in the carvical region makes measured corrected dislocation physically rates difficult. If in measure settings, this technique atmost be used only when actentifically fulfilled by the user and approved by the leastifically fulfilled by the user and approved by the institutional Animal Care and Use Committee.

These responsible for the use of this technique rust examine the performing conviced dislocation sectorium have been properly trained and consistency apply it humanishy and effectively.

Decorpitation can be used to esthusiastic roducts and small rabbins in reaserth arctings, it provides a means to recover theses and body fluids they are characteristy unconsumbrested. It also provides a means of chairing anatomically undamaged truth times for exactly.

Although it has been described that electrical activity in the brain persises for 13 to 14 accords following decapitation, or make neget equides and reports indicate that this activity does not treat the ability to premive path, and it fact conclude that loss of conclude may develope equidity.

Collisothers that are designed to accomplish decapitation in adult redemis and areal middle in a uniformly tratemaneous massing are containedably available.

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Guillothes are not commercially available for necessal codents, but sharp blades can be used for this purpose.

Advantages—(1) Decapitation is a technique that appears to induce rapid loss of contributions, firm (2) is done not charactally contaminate transa. (3) it is rapidly accomplished

Disadvastrages—(1) Handling and restraint required to perform this inchnique may be discreasful to artimals.\* (2) The interpretation of the presents of electrical activity in the brain following decaptorion has created contraversy and its importance may still be open to debete, "sixia" (3) Personnel performing this technique should recognise the inherent danger of the pullicrime and take adequate precurations to prevent personal injury. (4) Decapterion may be seethedeally displacing to personnel performing or observing the sectionary.

Recommendations—This sechnique is conditionally acceptable if parformed correctly, and it should be used in research sectings when he use is required by the coperimental design and apprecised by the foreign and the Committee. The equipment used to parform decaptation should be maintained in good working order and serviced on a regular basis to armore strapped or bedon. The use of plastic comes to extrain mises the chance of injury to parameters, and improves positioning of the arisinal in the guillectine, and reputation of amphibians, fain, and reptiles is Decapitation of amphibians, fain, and reptiles is a from a magoniable for the use of this technique must ensure that permenned who perform decaptation machiness above term properly trained to do so.

Electronistics, unity alternating current, has been used as a method of eatherman for species such as dogs, cutts, sheep, switce, foem, and mits, initial Electronistics induces death by condise fibrillation, which crasses cambral hypoxis, animal Flavours, and more after comes of carettee fibrillation. It is important or more after orast of carettee fibrillation. It is important or that arithms be unconscious before being electronist. This can be accomplished by any ecopletic seems, including electrical stunying. Afteruph an effective, being stanting and discrutication method has been described for use in sheep and hope, authorists by electronists for the stant species remains a 2-step processing.

Advantages—(1) Electrocution is humans if the animal is first reviewed unconscious. (2) it does not chemically contuminuse tissues. (3) it is economical.

Disadvantages—(1) Electrocution may be hanactions to personnet. (2) When conventional singleanismal probag are used. It may not a useful method for
mass euthursals because an much time is required per
entmal. (3) It is not a useful method for daugerous,
intractable animals. (4) It is assificately objectionable
because of violens extension and sufferning of the
limbs, head, and nech. (5) Is may not result in death in

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small animals (< 5 kg) because ventricular sthrillation and circulatory collepse do not always persist after capsides of ournest flow.

Recommendations—Euthernals by electrocution requires special skills and equipment that will around passage of sufficient current through the brain to induce loss of consciourness and cardiac fibrillation in the 1-step method for sharp and logs, or cardiac fibrillation in the unconscious animal when the 2-step procedure is used. Although the method is conditionally acceptable if the abstractional requirements are most applications. Rechriques that apply electric current from hand to tail, head to floot, or hand to most, and metal plates on which the entered is standing are unacceptable.

Heating by metrowave irradiation is used primerily by neurobiologists to fix brain metabolities in vivo while maintaining the amazonic intugrity of the brain. Microwave internations have been specifically designed for use in authensian of inhurstory hitchen units and may vary in maximal power outstathen units and may be the following from hitchen units and may be the addition of the animal. The power regulated to mipidly hak brain employee activity depends on the afficiency of the unit, the shifty to ture the resonant cavity and the size of the redering formal manners in the time required for loss of continuousses and authenates and formal for loss of continuousses and authenates of 8 to 28 g mice to 79 C in 330 ms, and the break remperature of 200 to 420 g rest to 94 C in 800 ms.

Advantages—(1) Loss of correctnumess is active of in less than 1 (0) one, and death in less than 1 second.
(2) This is the mast effective method to fix brain though in rive for subsequenc away of engyreacteally intuite chamicals.

Disarbusings:—(1) Instruments are expensive, (2) Only archeats the size of mice and rue can be eatherstand with consenerated instruments that are currently evaluable.

Recommendations—Microverve irradiation is a humane method for enthanedising small laboratory rodents if transmissis that triduce repid less of consciourness are used. Only transmissis that eve designed for this use and have appropriate power and narrowers distribution can be used. Microwere oversidesigned for domestic and institutional kitchines are absolutely unacceptable for eachsmatic.

Theracie (serdispulmonary, serdise)
congression
Thorace (cardiopulmonary, cardiae) congression
is used to estimathe analis to medium-stud freeranging birds when alternate techniques described in
this report are not practical.19

happet of the AIRAA Plane on Euritemany

Advantages—(1) This technique is rapid, (2) It is apparently patriless, (3) It mandmines careas use for analytical/contections; studies.

Disabantage—(1) it may be considered eached-only unplasma by onlookers, (2) The degree of dis-cress is unknown.

Recommendations—Thoracte (cardiopulanonary cardial corresponditions is a physical sucherague for average eudamants that has applicability in the field when other methods carried be used. It is accomplished by bringing the thomb and forwflager of one hand under the briefs wing from the posterior and placing them against the ribs. "The foreflager of the other hand is placed against the ventral edge of the sterrains, just placed against the ventral edge of the sterrains, just before the farculant. All fragers are brought together forcefully and hald under present to stop the heart and funds. Loss of consciousnes and death develop quickly, froper training is remided to the use of the tackenique to avoid traums to the bird, Cardiopulmonary compression is not appropriate for laboratory satisfies, for large or diving bleds," or for other species.

Machanical hill traps are used for the collection and killing of small, free-tanging marannals for commercial purposes. Our sides, or meet), adentify purposes, or sides, or meet), adentify property dentify, and to promit human sadey. Their use remains controversial, and the promit human sadey. Their use remains controversial, and the present human sadey. Their use remains controversial, and the present human sadey. Their use remains controversial, and the pared necessary from the pared or annual free flush traps do not always required for this reason, use of their traps followed by other methods of estimates is preferred. There are a five situations when that is not possible or when it may actually be more stressful to the animals or dengerous to humans to use live traps. Although never technologies are improving tell trap performance in schlewing less of consciousness quickly, individual teaching as recommended to be sure the trap in work the most the most furthers available anual to chooses, were as evaluated by use of International Organisation for Standardization (EO) teaching procedures, or by the methods of Cilbert, Prouds et al. will or Hills and Roy.

To reach the required fevra of efficiency trape anay need to be modified from manufactures production standards. In addition, as apacified in extending studies, trap piecement (ground versus true sets), bett type, set location, selectivity appearatus, body placement modified gring devices (ag devices, consel), traper sensitivity and traper type, stan, and conformation are essential correlations that could affect a hall leaps addity to reach these standards.

Several bill trape, modifications, and set specifical have been scheduled without activities of sandards about the about schedules.

Advantage—Free-ranging small mammats may be killed with intoline district exectated with handling and human contact.

Disadvestingse—(1) Traps may not afford death withth acceptable time periods. (2) Selectivity and officiency is dependent on the sitial and proficiency of the optimism.

Reconsecretations—Kill traps do not always meet the parel's criteria for exchange, At the pares item, it is recognished then they can be practical and effective for sciencific animals and effective for sciencific animals and effective for sciencific animal collection when used as an entered that ensures, and minimal potential for injury of nonineger species. With Tops need to be checked at least once daily in those instances when an estimat is wounded or captured but not deed, the article mal trues to hilled quickly and humanny full trues about the safe quickly and humanny full trues and should be used only when other december settingues an impossible or have fulled. They for noticinal species should me be activated during the day to avoid capture of chumal species.\*\* They manufacturers should active to easet their responsibility of minimulating pain and authering to target apocies.

Adjustables methods
Stuanting and pathon, when properly done, bulies
loss of conscioueness but do not ensure death.
Therefore, these sembods must be used only in conjunction with other procedures," such as pharmacologic agents, excengulastion, or decapitation to suthan rights the shints.

Extanguization can be used to ensure death sub-sequent to stantide, or in otherwise unconcious sub-mals, Because anxiety is associated with extreme hypo-volentia, exampairation must not be used as a sola messa of embrassia, "Animais may be communicated to obtain blood products, but only when they are seduced, examped or ersethetised."

Animals may be shurred by a blow to the head, by use of a nonperintrating engitive both, or use of alectric current. Stuanting engitive both, or use of electric current. Stuanting snut be followed immediately by a method their errorsm death. With numbring, swaled stangers of energetismes in difficult, but it is usually sequentiated with a loss of the memors or fallek response, purpliney distration, and a loss of coordinated movements, Specific changes in the electroesceptishingment and a loss of visually evoked responses are also thought to hithcase loss of consciousness.

Blow to the bead—Sunning by a blow to the head is used primarily in small laboratory entimis with this creature, """. A single sharp blow must be delivered to the central shull brines with sufficient force to produce knewation of the central neurous system. When property done, consciousment is fast repidity.

Nonpenetrating captive holf—A nonpenetrating captive bolt stay be used to induce loss of coractous ness in running, house, not swine. Signs of effective symmetry by captive bolt are intransities colleges and a several accord period of terrails speem, followed by slow hind lifts movements of increasing frequency.

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Other aspects regarding use of the nonperetrating cap-tive bulk are straiter to the use of a penetrating captine bolk, as previously described,

Electrical anumaing—Alternating electrical current has been used for sturning species such as dogs, cattle shoop, goest, hogs, flah and chickens, salanusman shoop, goest, hogs, had destriced a need to divertible destrical current through the brain to induce rapid one of consciousness. In dogs, when electricity passes only between force and ford limbs or more and fact, it causes the heart to fibrilities but does not induce and only between force and ford limbs or more and fact, it den loss of consciousness. If makes or the searchest attenting of any artisted, as appeared that applies electrical straining of opposite states of the heart or the states of the heart or the searchest attenting of opposite states of the heart of the northwest through the brain, as fatternancy to induce rapid loss of consciousness, functions with the form of electrical straining are extension of the items, updetrocones, downward residies of the eyelsk, and through flaceriday.

Electrical stuming should be followed pomptly by electrical stuming should be followed pomptly by electrically induced carries methods to charts death, follow to other speriorizes methods to charts death, followed to the season on electrostion for editional stufficents information.

In general, pithing is used as an adjunctive procedure to annual death in an animal that has been research unconscious by other means. For some species, such as frogs, with enaborate fretures that facilitate samp schools to the central nervous system, pithing any be used as a sole means of authentical, but as anesthetic oversime is a more suitable mathod.

## SPECIAL CONSIDERATIONS

Especiese establements.

Percoberbail or a periodicital combination is the best choice for equine authorises. Because a large volunts of solution mast be historia, Because a large volunts of solution mast be historial, use of an intravancia cubice placed in the jugiller webs will factions the proceedure. To facilitate catheterisation of an expression or an alpha-2 interruppe egories can be administered, but there drugs may profess of the interruppe of connectuance because of their effect on chrusteins and may result in verying degrees of miscular activity and against Optoid agostics or agmissibilities and may further facilities mastrifie.

In certain antergency circumstances, such as enthances of a horse with a serious injusy at a race-track, it may be difficult to remarks a dangerous horse of other large animal for intervences injection. The animal studies cause injusy to their or to bystanders before a seducive could take offers in such cases, the animal can be given a neuromentals blocking agent such as acceptabling, but the animal must be entire-national with an appropriate technique as about as the

andmail can be controlled. Succlay-chotine alone or without sufficient anachetic must not be used for eachenaste.

Physical methods, including gundoot, are complemed conditionally acceptable sechniques for equine extinments. The percenting captive both is acceptable with approjectes materating.

### Animals internded for human or animal fond

In eachermals of unitable triended for frumen or submed load, cheatical agents the result in these residual
correct be used, unless they are approved by the US Food
and Drug Administration. To Carbon dioutie is the only
charactel currently used for each result in these neithing.
The food administration is Carbon dioutie in the only
charactel currently used for each result in these neithing.
The food administration is correctly used for the teaching.
Carbon of Albrain wutherstand by barbanch acid
derivatives or other cheatical agents may correla possitally beared anditure. These carbons should be diposed of in a resumer that will present them from being
consumered by human beings or enture.
Scientists of a proper extension for the possibility
of our suspenden of the carbon or enture.
Numerous case of brokens and death attributable to
impartion of pluramecautically contaminated currents
in procedure under the carbon and estate the satisfacture.
Proper carbon disposal raties be a part of any exchangin procedure under the carbon gent the set of the possibility
of our suspenden of the carbon worlds. When carbons
in procedure under the carbon gent the are not protected
in potential for consumption united. When carbons
are to be left in the field, a garment to the head, genstrading reporte tolic or appectable agents that are not
confic general anestered; should be used so that the
potential for consumption or seatonty to be assessed.

Existenciable of nepresentational agencies and the company of the objective information on company to the contract in the company of the contract in the company of the contract in the contra

JANAAA, Vol 218. Na. 5. March 1, 2005

Amport of the AMAA Pens on Euers

For captive 200 mannate and birds with released domestic counterparts, many of the means described previously are appropriate. However, to minimize itsury to persons or animals, additional precautions such as handling and physical or chemical restraint are important considerations.

Michigan

For wild and ferrel andmals, many recommended means of estimates for captive animals are not feast-ble. The penel recognizes there are situations involving free-ranging widdle whose auchanesis to not possible from the animal or human safety standpoint, and killing may be necessary. Conditions fluind in the field, although more challenging than those that are convolled, do not in any way reduce or retriends the extractional factors of the responsible individual to reduce pain and distress to the greatest attent possible during the taking of an article is like. Because enthemats of wildlife is other performed by lay parameted in remote sectings, guidelines are needed to assist veterinations, wildlife biologists, and wildlife health probastionals in developing interness protocole for authanesse of wildlife.

In the case of few-emping wildlith, personnel may not be crained in the proper use of remote ansathesis, proper delivery equipment may not be available, personnel may be working alone in nemote areas where eccidence exposure to porser ansathesis medications used in wildlift capture would present a risk to human safety or approaching the animal withte a practical dering distance may not be possible. In these cases, the only practical steam of animal oblection may be guaranteed and till trapping these collection may be guaranteed and till trapping these mounts be as agespecial, or anomalized chosen must be as agespeciale, or anomalized chosen must be as agespeciale, or anomalized should be appropriate by the special and purpose. Personnel should be appropriate for the special to be seaments, and they should be appropriated in the proper and safe use of fineerine, complying with laws and regulations governing thair possession and use.

Enhancional responses of wildlife or captive nooredicional species (aus) in close human contact are very
different from those of domestic ardmain. These estimizing the amount, degree, and/or cognition of
human contact during procedures that require hunimizing the amount, degree, and/or cognition of
human contact during procedures that require hunding is of utmost importance. Handling these entirelia
often requires general americans, which provides loss
of consciousness and which relates distress, envisely
apprehension, and pricaption of pain. Even though the
actural is unthe general americans, materializing saditory, visual, and tactile stimulation will help ensure the
most street-free suthernais possible. With use of general arcesthesis, there are more mathods for suthernais
available.

A 2-stage suthernais process involving general
ausothesis, tranquilization, or use of analyseics, failowed by intravenous injectable phermacounticals,
although preferral, is often not specifical. Injectable
anosticities are not always legally or readily available to

tress to the solved induced by it we capture, transport to a veteriousy facility, and confinement in a veteriousy hospital prior to earlierness reuse he considered in chaosing the most humans tacketique for the situation at hand. Veteriousisse providing support to those kmai opromi, and the dis

choosing the most humans tackytique for its situation at hand. Vehrinations providing support to those working with injured or live-trapped, the-ranging animals should take capture, bursport, handling discreas, and possible careas consumption into consideration, where asked to assist with eathernatia, Alternatives to 2-stage extitatives with cases where in a squaeze cage with intropertureal injuction of sodium peritobarbital, inhalant agents (CO<sub>2</sub> chambor), and gunaltor. In cases where presentations areasticitic, are not evallable, intropertureal injection of sodium peritobarbital, although slower in producing loss of consciousness, should be considered professor.

Widdle species may be excensed under a variety of attention. Butharists of the same species under different tochnique. Even in a controlled setting, an estremely fractions large animal may themeson the safety of the presentations may be used immediately in injustions. Even in a controlled setting, an estremely fractions large animal may themeson the safety of the presentations, by smaller, and itself. When askey of the presentation and the fractions large animal, whether writing, in controlled setting, an estremely fraction and the fractions large animal, whether writing, to the use of an ecopythis forms of estimates, for this settings agents may be used immediately price to the settings agent stations of estimate animal endings. Succitylcholine is not scopythis forms of estimate animal near security chiefer to the security expect of the security expect of the security expects o

Desirates, Inthines, On Live-Courtures Whiches On Fewa, Species

On Fewa, Species

Enthanests of diseased, injured, or thre-trapped wildlife should be performed by qualified profusion-six. Certain cases of wildlife injury (eg. acute, severe trains from assessables) may require teamediate acutes, and pain and suffering in the assessables may be best relieved most repidly by physical methods including garaties or parestrating captive bolt followed by extengitination.

Many techniques discussed previously in this report are suitable for eachtenaits of captive birds accustomed to human contact. Five-runging birds may be collected by a murble of methods, including ness and live treps, with subsequent authenaits. For collection by finders, shougans are recommended. The bird should be killed carright by use of ammunition loads appropriate for the species to be collected. Wounded birds should be hilled quickly by appropriate techniques previously described, large birds should be areatted price to enthansists, using general anguithets.

Report of the AVAMA Planel on Euthernesis

JASNAA, Vol 218, No. S. Majroh 1, 2001

Awarneshare, Fight, And Rupraces
Euthernate of ectodistrate animals must take into account differences in their metabolism, respiration, and tolerance to combral hypoxia. In addition, it is often many difficult to securate when an animal is deed. Some unique espects of esthernate of amphiblant, fighter, and reptiles have been described, its allows.

Clove oil--Beause adequete and appropriate clin-ical trials have not been porformed on this is evaluate its effects, use of clove oil is not seceptable.

External or trackal agents—Titcano methane sulforuse (TMS, MS-222) may be administered by various
rouse to suithensitae. For the said amphibians, this
cleanizal may be placed in varie. \*\* and amphibians, this
cleanizal may be placed in varie. \*\* and a concentraled from the weter, a gill cover lifted, and a concentraled solution from a syringe flushed over the gills.
MS 222 is acidic and in concentrations ≥ 500 mg/l,
should be buthered with acctium blockbonds to saturation requiring in a solution pH of 7.0 to 7.5; \*\* MS 222
may also be injected into lymph spaces and pleuropartionned cavities. \*\* These are effective but expensive means of euclineals.

This, may be used as a bach or in a rediction out expenfact entitiesting to flash for emphibiant. \*\* Benecotive is
not water solutios and therefore is progrand as a scock
solution (100 g/l), using accident or an excitation system
into the transferd is water solution in continuit, benecutive in
hydrochloride is water solution and can be used directby for anaetheds or euclineasis. This should be
left in the addition for at least 10 minutes billowing
consistent of opercular movement. \*\* A commentation
2.200 mg/l, can be used for enthances. This should be
not contradiction of the transferd of the called or in a region of opercular
concentrations of Oaks to Oaks malf, or O.3 to O.4 engl. Besuithermass of Oaks to Oaks myster, fish should be left is solution for 10 minutes following consistent of opercular
concentrations. \*\*

Carbon diaxide—Amphibians, reptiles, and but my be eutherstized with COs. Loss of con-

sciousness develops rapidly, but exposure these required for euchanses are prolonged. This sechnique is more effective to active species and thous with less conderny to hold their heasth.

Physical methods—Line translage of the head of various emphibitions and reputies, with recommended locations for captive bole or flewers persecution, are available. Crotodituse and other large reptiles can also be shot through the brain.

Deceptation with heavy sheers or a guillotine to effective for some species that have appropriate analomic fletzers. It has been assumed that stopping those of canadourness, Because the central mercus applications of conditions. Because the central mercus applications of reptiles, and suppostuding the of reptiles, and suppostuding the stopping those of conditions in Because the central mercus applications of reptiles, and sempleations. It designation make the followed by pithing.

Two-stage evidenments procedures—Frequebt and ultrashort-acting barthuments may be used for these species to produce rapid general ensembled prior to final administration of euthersele.

In soon and clinical actings, neuronnuscular blocking agents are correlected exceptable for manner.

Most unpublisher, fisher, and repulse can be exchanationing agent.

Most unpublisher, fisher, and repulse can be exchanational by created concustion (seumenty) followed by decapitation, pitthing, or some other physical medical.

Servaing the spinal core behind the head by pithing is an effective assisted of hilling some extendents. Describing the bandood of hilling some extendents. Describing of the pithing of the spinal cored behind the break but physical pithing of the spinal cored by another appearance from and pithing of the break or by another generated by decapitating of the spinal cored about the break or by another appearance and pithing of the break or by trained generating. The pithing site is the formand measurum, and it is identified by a slight middles with dependent postantor. To be the experience of the cyce with the needs flessed.

Cooting—It has been suggested that, when using physical methods of eachtmants in estocherusts species, cooling to 4 C will decrease neetabolism and ficultate handling, but there is no evidence that whole body cooling reduces pain or is citatizally difficultum. \*\*I Loud cooling reduces pain or is citatizally difficultum. \*\*I Loud cooling in trues deen reduce nociceaption, and this may be partly opicial methods. \*\*I I remodelization of reptiles by cooling is considered inappropriese and inhumans even 4 contitioned with other physical or chemical methods of subsequent flows that by cooling is new team. Statios and turtles, immobilizated by cooling have been Milled by subsequent flows ing. This method is not recommended. \*\*Formation of less cristials on the side end in the recommended. \*\*Formation of less cristials on the side end in the season of an animal may cause pein or distress. Quick finerating of deeply ansetheated animals is acceptable.

MARINE MAINTALS

Barbiturates or potent opioids (eg. atorphine trydrochlorids (M 99) and cachenanit) are the agents of choice for exchanges of marine stemmals, "attorugh it is incagnitud their use is not always possible and can

IANNA, YO 218, No. 5, Morth 1, 2001

be potentially designed to personnel. An accurately placed gunshed may also be a conditionally acceptable method of enthermals for some species and also of stranded marine membrals, also.

For stranded whales or other large conscients or plantiped, aucetylicholine chloride in conjunction with potential whales or other large conscients or himperitancely, has been used. This method, which is not an ecopylable method of enthermals as defined to this report, leads to complete persyes of the region of the report, leads to complete persyes of the regions to hypoxemia. This method may be more humane than allowing the stranded entired to sufficients over a period of hours or days if no other options are available.

Euthaments of antennis rejuced
for the production
Animals raised for for are usually curbunational
(notividually at the location where they are raised.
Although any handling of these species constitutes; a
stream it is possible to minimize this by suthematizing
animals in or near their cages. For the procedures
described below, please raise to previous sections for
more decaled discussion.

Carbon monotoide—For smaller species. CO appears to be an adequase method for suthansia. Compressed CO is delivered from a tent into an exclosed cage. Using the appearable outside reduces the holding cages. Using the appearable outside reduces the risk as humans; however, purple using the method should still be made rever of the derigent of CO. Androhimtoodical finds a chamber so the derigent of CO. Androhimtoodical finds a chamber so the derigent of CO. Androhimtoodical finds a chamber and were dead within 215 ± 45 seconds. In a study involving sectronic cuplability of such being suthansiated with 3,5% CO, the sinks were contacted into the chamber at a time, and deech should be instructured into chamber at a time, and deech should be confirmed in each case.

Carbon dioxido—Adotantamaton of CO<sub>2</sub> is also a good suthannals method for smaller species and is less derigences than CO for personnel operating the system. When expense to 100% CO<sub>2</sub>, mink less consciousnate in 10 a 4 accords and were dead within 133 a 10 secureb. When 70% CO<sub>2</sub> was used with 10% O<sub>2</sub> mink were unconsistent in 26 seconds, but they were not dead after a 15-structs express. Therefore, if antimals are first sharmed by 70% CO<sub>2</sub>, they should be killed by exponent up 100% CO<sub>2</sub>, or by some other means. As with carbon menosities only one entimal should be introduced into the chamber as a tone.

Serbeturelse—Berhéusens overdose is an acceptable procedure for extensate of many species of animals procedure for extensate of many species of animals for the Ching is injected interpertucted by and the animal slowly been correctorance. It is importance that the death of each spiring he confirmed following hartitures injection. Recitured one will contaminate the cancer, therefore, the skinned carces cannot be used for animal host.

Electrocation--Electrocation has been used for initing fouce and mink. The electric current must

pers through the brake to induce less of connciousness before electricity is peased through the raw of the body. Electrical enturning should be followed by eathersals, using some other technique. Carvical dislocation has been used in misch and other small strainals and should be done within 20 seconds of electrical strainals, and about it is none-to-dist method. Shops may kill the animal by inducing cardiac fibrillation, but the salarait may be consistent for a period of time before deeth. Therefore, these tocheriques are unacceptable.

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Presental and recentral eathersants
When overlan hysterectonies are performed, euthersels of lest should be accomplished as soon as possible after removal from the deat. Neonatal animals are maintively restaure to hypoxia, "21

Mees estituentals

Under unusual conditions, such as disease erutication and natural diseases, entherase options may be limited. In those attuations, the most appropriate authority that methodose human and entired health concerns must be used. These options include, but are not itanied to, CO<sub>2</sub> and physical methods such as gunshot, presenting captive bott, and cervical dislocation.

This report summerates contemporary scientific knowledge on substants and colle attention to the best of scientific reports sessesting pairs, disconfiber, and distress in animals being sucharacted. Many reports on various mathematics of scriberations of sucharacted than a sessesting pairs, disconfiber, and distress in animals being sucharacted distress reports on various mathematics, or created to the report. The panel secondly sentenced nearthy sections are distressed to the panel secondly sentenced in the report. The panel secondly sentenced in the report. The panel secondly sentenced in sections will make to which such proceedings and contemporary to which such sections are distressed for professions of sucharacted.

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Each means of sucharacted has advantages and disease, will make the distriction of sucharacted. Therefore the address every potential circumstance in which attends are the cardinates of sucharacted for the report of sucharacted in the contemporal pudgment is impossible, for recently sentenced of sucharacted to the contemporal pudgment is such that should be cardinal cardinal cardinal to the Committee. In other section, problems of the standing ventenced to the sections and pharmacold-recise, and scudies published in the identificial products from an equition and pharmacold-recise, and scudies published in the identificial products for relating the scientifical products for relating the parels discourse have a critically important region, and scudies guiding the standing should guide the deci-length base therms of delivery and published or resembled experienced an admitted to the decision and pharmacold or device, unless the same and pharmacold or device, unless the same and pharmacold or device, unless the same and pharmacold or devices, unless the same and pharmacold or devices, unless the same and pharmacold or devices, unless the same and pharmacold or devices unless the same and sentenced and the

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Report of the ANNA Panel on Such

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JAMAA, VOI 218, No. S. Navoh 1, 2001

References cited in this report do not represent a comprehensive bibliography on all methods of surhanesis. Ferunes interested in additional information on a particular aspect of animal suchamesis are centuraged to contact the Animal Wibline Information Center, Nathanal Agricultural Library 10001 Beltanore Blvd. Beltanid, MI 20705.

The Panel on Euflarence is fully committed to the compat that, whenever it becomes recently to kill any azimal for any reason whenever, death should be induced as paintamy and quickly as possible. It has been our charge to develop workship guidelines for recentralizes rewelling to address this problem, and it is our sincere desire that these guidelines be used comesteriturally by all astroal care providers. We consider this recent to be a work in programs with new additions warranted as results of more scientific studies are published.

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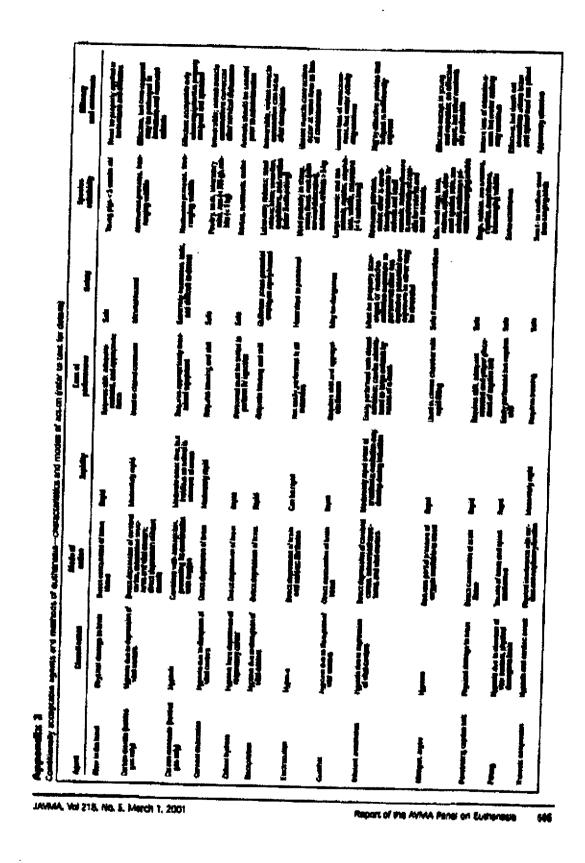
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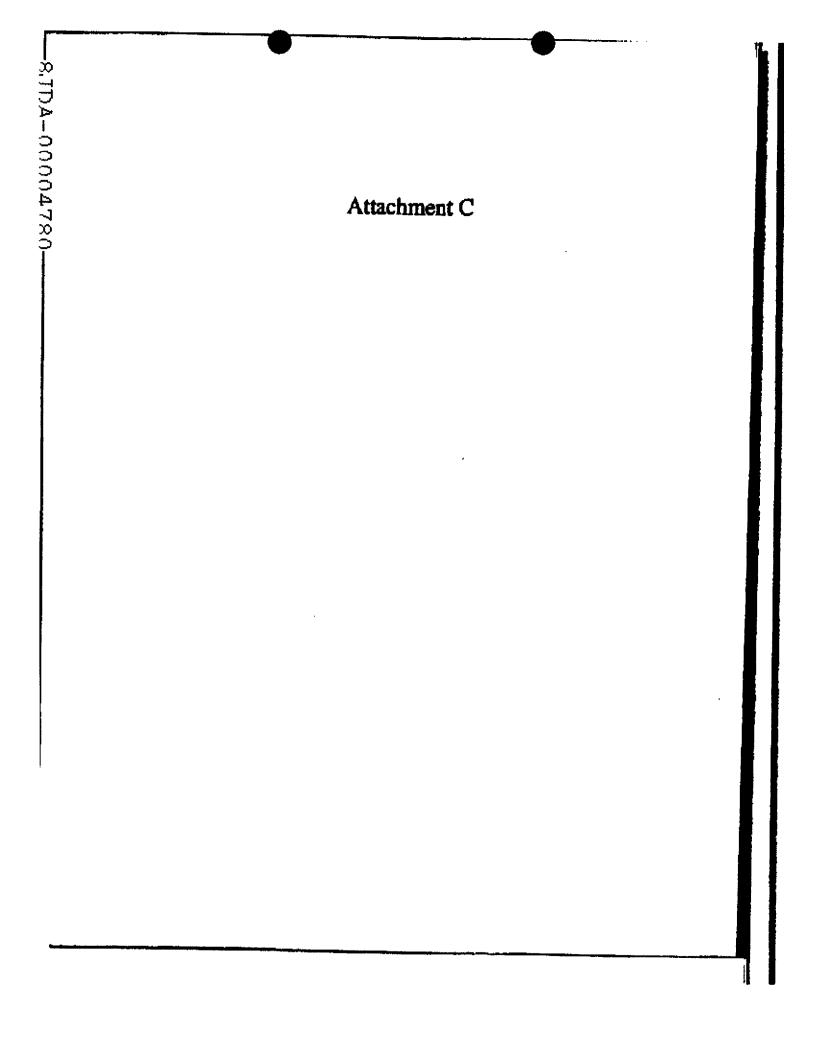


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### Appendix 4

Some unacceptable agents and methods of authorities partie to tool for details)

April 10 militari	- American
Air embellare	Air anticulum may be experimented by correlative, opticitatives and suscella- tion. If used, it should be done only to proposition actuals.
White the bind beauti	Uniquinquights for expert appoints.
Burning	Chamical or thereign beyong of an arised is not an acceptable method of sufferents.
Chieral hydrolog	Waterplants to sings, each, and solid strength.
Chimelero	Crapelant is a Septem inguinants and expented carcinopes and, shorther, is extramely teaching to parameter.
Cytorida	Cyarido privat an exerciso danger to personnel and the statutor of statis to antiferitably elijicationalis.
Öququayarayadan	Conceptualism is ununespiciale for exchangels benegots of Hustophers abrolivations.  (I) Marky climatures are destigned to products descent reaction on a set of the St.
Criming	Oranning to real a sequent of authoracity and in information.
<u> Bearquination</u>	Because of the devicely associated with unique hyperotherm, consenguination should be done only to sedenal, stanonth or propringsing princing.
formalit	Oraca beneralate of our optimal loop formally, on a motors of early-capts, by inflatouring.
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ilypatramia .	Hypothilitie is mai un eppropriett Michel of Afficients.
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Practice Advisory for Introoperative Awareness and Bruin Function Monitoring

A Report by the American Society of Anasthesiologists Task Force on Introoperative Awareness\*

PRACTICE advisories are systematically developed reports that are intended to assist decisionmaking in areas of patient care. Advisories provide a synthesis and analysis of expert opinion, clinical feasibility data, open forum commentary, and consensus surveys. Advisories are not intended as standards, guidelines, or absolute requirements. They may be adopted, modified, or rejected according to clinical needs and constraints.

The use of practice advisories cannot guarantee any specific outcome. Practice advisories summarize the state of the literature and report opinions derived from a synthesis of task force members, expert consultants, open forums and public commentary. Practice advisories are not supported by scientific literature to the same degree as are standards or guidelines because sufficient numbers of adequately controlled studies are lacking. Practice advisories are subject to periodic revision as warranted by the evolution of medical knowledge, technology, and practice.

### Methodology

### A. Definitions

Intraoperative awareness under general anesthesis is a rare occurrence, with a reported incidence of 0.1-0.2%.<sup>1-4</sup> Significant psychological sequelas (e.g., post traumatic stress disorder) may occur following an episode of intraoperative awareness, and affected patients gasy remain severely disabled:

<sup>&</sup>quot;Opveloped by the American Society of Americanicalists Task Force on Introoperative Awarenees: Jeffray L. Aphilimus, M.D., (Chair), Chienge, Illinoir; James F. Amer, M.D., Houston, Texas; Deniel J. Cole, M.D., Phoenix, Arizona; Richard T. Connis, Ph.D., Woodhrville, Weshington; Kares B. Dorston, M.D., Souttle, Weshington; John C. Drammond, M.D., San Diego, California; Cor J. Kalienen, M.D., Ph.D., Utrech, the Nutherlands; Remaid D. Miller; M.D., San Francisco, California; Devid G. Nickingvich, Ph.D., Bellevon, Washington; and Michael M. Todd, M.D., Iowa City, Iowa.

Supported by the Assertious Society of Assertionicing intender the direction of Jesus F, Arens, M.D., Chair, Committee on Practice Personeurs. A list of the references used to develop this Advisory is available by writing to the Assertion Society of Assertionicing jets.

Address reprint requests to the American Society of Americaniclogists; 520 N. Northwest Highway, Park Ridge, Illinois 60068-2573

The following practice advisory was approved by the ASA House of Delegates on October 25, 2005. It should be considered final. This practice advisory will be published in a future leave of the journal Assethesiology. for extended periods of time. However, in some circumstances, intraoperative awareness may be unavoidable in order to achieve other critically important assesthetic goals.

The following terms or concepts discussed in this Advisory include: consciousness, general anosthesis, depth of anosthesis or depth of hypnosis, recall, amnesis, intraoparative awareness, and brain function monitors. Consistent definitions for those terms are not available in the literature. For purposes of this Advisory, these terms are operationally defined or identified as follows:

- (1) Consciousness: Consciousness is a state in which a patient is able to process information from his or her surroundings. Consciousness is assessed by observing a patient's purposeful responses to various stimuli. Identifiers of purposeful responses include organized movements following voice commands or noninus/painful stimuli, † For example, opening of the eyes is one of several possible identifiers or markers of consciousness. Purposeful responses may be almost when paralysis is present as a consequence of neurological disease or the administration of a neuromatcular blocking drug.
- (2) General anesthesia: General anesthesia is defined at a drug-induced loss of consciousness during which patients are not arousable, even by painful atimulation.<sup>‡</sup> The ability to maintain ventilatory function independently is often impaired. Patients often require assistance in maintaining a patent airway, and positive pressure ventilation may be required because of depressed spontaneous ventilation or drug-induced depression of neuromizeular function.
  Cardiovascular function may be impaired.
- (3) Depth of assethesia: Depth of anesthesia or depth of hypnosis refers to a continuum of progressive central nervous system depression and decreased responsiveness to stimulation.

<sup>&</sup>lt;sup>†</sup> Reflex withdrawel from a painful stimulus is NOT considered a purposeful responds, as indicated by the "continuum of depth of codation, de finition of general southerin, and levels of sedetion/analysiss," American Society of Anaetheriologists, 2004.

American Society of Americanic Continues of depth of sedation, definition of general secutionia, and levels of sedation/sealgavia; "ASA Standards, Guidelines and Statements, 2004.

The following prectice advisory was approved by the ASA House of Delegates on October 25, 2005. It should be considered final. This practice advisory will be published in a future issue of the journal Anesthesiology.

- (4) Recall: For the purpose of this Advisory, recall is the patient's ability to retrieve stored memories. Recall is assessed by a patient's report of provious events, in particular, events that occurred during general anesthesia. Explicit memory is assessed by the patient's ability to recall specific events that took place during general anesthesia. Implicit memory is assessed by changes in performance or behavior without the ability to recall specific events that took place during general anesthesia that led to those changes. A report of recall may be spontaneous or it may only be elicited in a structured interview or questiontaire. This Advisory does not address implicit memory.
- (5) Ammesia: Ammesia is the sinence of recall. Many aneathetic drugs produce ammesia at concentrations well below those necessary for suppression of consciousness. Anterograda ammesia is intended when a drug with ammestic properties is administered before induction of aneathesia. Retrograde ammesia is intended when a drug such as a benzodiazopine is administered after an event that may have caused or been associated with intraoperative consciousness in the hope that it will suppress memory formation and "rescue" from recall.
- (6) Intraoperative awareness: Intraoperative awareness occurs when a patient becomes conscious during a procedure performed under general anesthesis and subsequently has recall of those evants. For the purpose of this Advisory, recall is limited to explicit memory, and does not include the time before general anesthesis is fully induced or the time of emergence from general anesthesis, when around and return of consciousness are intended. Dreaming is not considered intraoperative awareness.
- (7) Brain function monitors: Brain function monitors are devices that record or process brain electrical activity and convert these signals mathematically into a continuous measure typically scaled from 0 to 100. In addition to apontoneous cortical electrical activity (electroencephalogram, EEG), these devices may also record and process evoked cortical and

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subcortical activity (auditory evoked potentials, or AEP) as well as electromyographic (EMG) activity from scalp muscles. For the purpose of this Advisory, only monitors purposed to measure dapth of anesthesia or hypnosis will be considered. Other, non-EEG/AEP/EMG devices are also available, but are not addressed by this Advisory.

### A. Purposes of the Advisory

Introperative awareness under general ancesthesis is an important clinical problem that clearly is within the foundation of training and continuing medical education in specthesiology. The purposes of this Advisory are to identify risk factors that may be associated with intraoperative awareness, provide decision tools that may enable the clinician to reduce the frequency of unintended intraoperative awareness, stimulate the pursuit and evaluation of strategies that may prevent or reduce the frequency of intraoperative awareness, and provide guidance for the intraoperative use of brain function monitors as they relate to intraoperative awareness.

### C. Focus

This Advisory focuses on the perioperative management of patients who are undergoing a procedure during which general anesthesia is administered. This Advisory is not intended for the perioperative management of minimal, moderate, or deep sociation in the OR or ICU: regional or local anesthesia without general anesthesia; monitored anesthesia care; trachesi intubation of patients or those undergoing resuscitation in emergency traums after the administration of a neuromuscular block, or intentional intraoperative wake-up testing (e.g., for the purposes of assessing intraoperative neurologic function). In addition, this Advisory is not intended to address the perioperative management of pediatric patients.

### D. Application

This Advisory is intended for use by anesthesiologists, other physicians who supervise the administration of general anesthesis, and all other individuals who administrar general anesthesis.

The following practice advisory was approved by the ASA House of Delegates on October 25, 2005. It should be considered final. This practice advisory will be published in a future issue of the journal Americanically.

The Advisory may also serve as a resource for other physicians and health care professionals who are involved in the perioperative management of patients receiving general anesthesis.

### E. Task Force Members and Consultants

The American Society of Americanologists (ASA) appointed this Tank Force of 10 members to

(1) review and assess the currently available scientific literature on intraoperative awareness, (2)

obtain expert consensus and public opinion, and (3) develop a practice advisory. The Task Force is

comprised of anesthesiologists from various geographic areas of the United States, an

anesthesiologist from the Netherlands, and two methodologists from the ASA Committee on Practice

Parameters.

The ASA appointed the 10 members to the Task Force because of their knowledge or expertise in the medical specialty of anesthesiology, and the development of practice parameters. The members include but are not limited to anesthesiologists with specialized knowledge or expertise in the area of neuroencethesiology. Two of the 10 members disclosed receipt of funds from or a financial interest in a company developing or manufacturing brain function monitors, which companies have a direct financial interest in the expanded use of such monitors. Other members may have received funds from or have a financial interest in other companies, such as developers or manufacturers of anesthetics, that may be indirectly affected by the expanded use of brain function monitors. The Task Force did not request its members to disclose such interests because they were deemed too remote and speculative to present conflicts of interest.

The Task Force, in turn, sought input from consultants, many of whom who had particularized knowledge, expertise and/or interest in introperative awareness and brain function monitors. Such knowledge or expertise is based in part in some cases on research or investigational activities funded by a company developing or manufacturing brain function monitors. Fifty-four percent of the consultants disclosed receipt of funds from or a financial interest in a company developing or

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manufacturing brain function monitors. Consultants also may have received funds from or luve a financial interest in other companies that may be indirectly affected by the use of brain function monitors. The Task Force did not request its consultants to disclose such interests because they were deemed too remote and speculative to present conflicts of interest.

The Task Force used a six-step process. First, the members reached consensus on the criteria for evidence of effective perioperative interventions for the prevention of intraoperative awareness. Second, they evaluated original articles published in post-reviewed journals relevant to this issue. Third, consultants who had expertise or interest in intraoperative awareness and who practiced or worked in diverse actings (e.g., scientists and/or physicians in academic and private practice) were asked to participate in opinion surveys on the effectiveness of various perioperative management atrategies, and to review and comment on a draft of the Advisory developed by the Task Force. Fourth, additional opinions were solicited from a random sample of active members of the ASA. Fifth, the Task Force held open forums at three national and international anotheris meetings to solicit input on the key concepts of this Advisory. Sixth, all available information was used to build consentus within the Task Force on the Advisory.

The draft document was made available for review on the ASA website, and commentary was invited via e-mail amounteement to all ASA members. All submitted comments were considered by the Task Force in preparing the final deaft.

### F. Availability and Strength of Evidence

Practice advisories are developed by a protocol similar to that of an ASA evidence-based practice guideline, including a systematic search and evaluation of the literature. However, practice advisories lack the support of a sufficient number of adequately controlled studies to permit aggregate analyses of data with rigorous statistical techniques such as meta-analysis. Nonetheless, literature-based evidence from case reports and other descriptive studies are considered during the

2		pgs. 10-18 Dispositional Report, January 25, 1983, pgs. 19-21 Transcript of Proceedings, Report and Disposition, January 25, 1983, pgs. 22-26
3	80.	Family Court of St. Louis County, Missouri, juvenile records, 6/4/85-9/13/85
5	81.	Motion to Exclude Other Bad Acts and Irrelevant Prior Criminal Activity, State v. Castillo, Clark County, Case No. C133336, July 30, 1996
6	82-100	Omitted
7	101.	Bennett v. State, No. 38934 Respondent's Answering Brief (November 26, 2002)
9	102.	State v. Colwell, No. C123476, Findings, Determinations and Imposition of Sentence (August 10, 1995)
10	103.	Doleman v. State, No. 33424 Order Dismissing Appeal (March 17, 2000)
11	104.	Farmer v. Director, Nevada Dept. of Prisons, No. 18052 Order Dismissing Appeal (March 31, 1988)
13	105.	Farmer v. State, No. 22562, Order Dismissing Appeal (February 20, 1992)
14	106.	Farmer v. State, No. 29120, Order Dismissing Appeal (November 20, 1997)
15 16	107.	Feazell v. State, No. 37789, Order Affirming in Part and Vacating in Part (November 14, 2002)
17	100	Hankins v. State, No. 20780, Order of Remand (April 24, 1990)
18	1.00	Hardison v. State, No. 24195, Order of Remand (May 24, 1994)
19		Hill v. State, No. 18253, Order Dismissing Appeal (June 29, 1987)
20	1	Jones v. State, No. 24497 Order Dismissing Appeal (August 28, 1996)
21	112.	Jones v. McDaniel, et al., No. 39091, Order of Affirmance (December 19, 2002)
22	113.	Milligan v. State, No. 21504 Order Dismissing Appeal (June 17, 1991)
23	114.	Milligan v. Warden, No. 37845, Order of Affirmance (July 24, 2002)
24	115.	Moran v. State, No. 28188, Order Dismissing Appeal (March 21, 1996)
25 26	116.	Neuschafer v. Warden, No. 18371, Order Dismissing Appeal (August 19, 1987)
27	117.	Nevius v. Sumner (Nevius I), Nos. 17059, 17060, Order Dismissing Appeal and Denying Petition (February 19, 1986)

<u> </u> 		
1	118.	Nevius v. Warden (Nevius II), Nos. 29027, 29028, Order Dismissing Appeal and Denying Petition for Writ of Habeas Corpus (October 9, 1996)
3	119.	Nevius v. Warden (Nevius III), Nos. 29027, 29028, Order Denying Rehearing (July 17, 1998)
4	120.	Nevius v. McDaniel, D. Nev. No. CV-N-96-785-HDM-(RAM), Response to Nevius' Supplemental Memo at 3 (October 18, 1999)
5 6	121.	O'Neill v. State, No. 39143, Order of Reversal and Remand (December 18, 2002)
7	122.	Rider v. State, No. 20925, Order (April 30, 1990)
8	123.	Riley v. State, No. 33750, Order Dismissing Appeal (November 19, 1999)
9		VOLUME 7 OF 15
10	124.	Rogers v. Warden, No. 22858, Order Dismissing Appeal (May 28, 1993),
11		Amended Order Dismissing Appeal (June 4, 1993)
12	125.	Rogers v. Warden, No. 36137, Order of Affirmance (May 13, 2002)
13	126.	Sechrest v. State, No 29170, Order Dismissing Appeal (November 20, 1997)
14	127.	Smith v. State, No. 20959, Order of Remand (September 14, 1990)
15	128.	Stevens v. State, No. 24138, Order of Remand (July 8, 1994)
16	129.	Wade v. State, No. 37467, Order of Affirmance (October 11, 2001)
17	130.	Williams v. State, No. 20732, Order Dismissing Appeal (July 18, 1990)
18	131.	Williams v. Warden, No. 29084, Order Dismissing Appeal (August 29, 1997)
19 20	132.	Ybarra v. Director, Nevada State Prison, No. 19705, Order Dismissing Appeal (June 29, 1989)
2	133.	Ybarra v. Warden, No. 43981, Order Affirming in Part, Reversing in Part, and Remanding (November 28, 2005)
2:	134.	Ybarra v. Warden, No. 43981, Order Denying Rehearing (February 2, 2006)
2	135.	Rippo v. State; Bejarano v. State, No. 44094, No. 44297, Order Directing Oral Argument (March 16, 2006)
2	5 136. 6	State v. Rippo, Case No. C106784, Supplemental Brief in Support of Defendant's Petition for Writ of Habeas Corpus (Post-Conviction), February 10, 2004
	7 137.	State v. Rippo, Case No. C106784, Findings of Fact, Conclusions of Law and Order, December 1, 2004
	3	

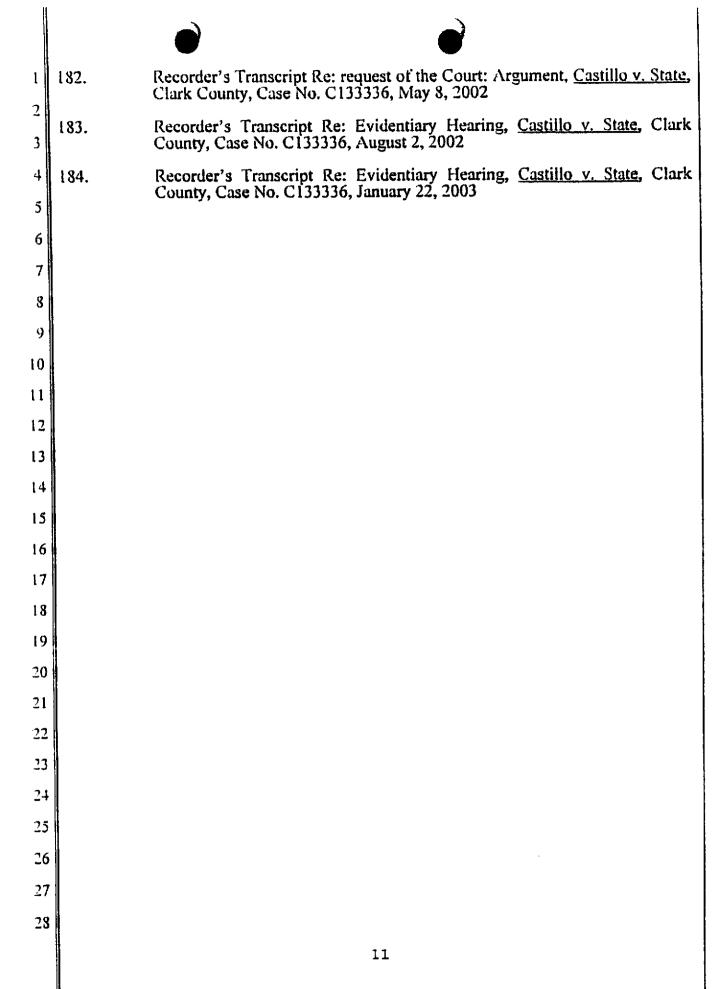
i	138.	Rippo v. State, S. C. Case No. 44094, Appellant's Opening Brief, May 19, 2005	
3	139.	Rippo v. State, S. C. Case No. 44094, Respondent's Answering Brief, June 17, 2005	
4	140.	Rippo v. State, S. C. Case No. 44094, Appellant's Reply Brief, September 28, 2005	
5 6	141	Rippo v. State, S. C. Case No. 44094, Appellant's Supplemental Brief As Ordered By This Court, December 12, 2005	
7		VOLUME 8 OF 15	
8	172	Nevada Department of Corrections Confidential Execution Manual, Procedures for Executing the Death Penalty, Nevada State Prison, Revised February 2004	
10	1	2-A. Nevada Department of Corrections Contidential Execution Manual, Revised October 2007 with transmittal letter dated June 13, 2008	
12	143	Brief of Amici Curiae in Support of Petitioner, United States Supreme Court Case No. 03-6821, <u>David Larry Nelson v. Donal Campbell and Grantt Culliver</u> , October Term, 2003	
13 1-	11.1		
1:	5 14	5. Leonidas G. Koniaris, Teresa A. Zimmers, David A. Lubarsky, and Jonathan P. Sheldon, <u>Inadequate Anaesthesia in Lethal Injection for Execution</u> , Vol. 365, April 16, 2005, <u>at http://www.thelancet.com</u>	
1		<ol> <li>Declaration of Mark J. S. Heath, M.D., May 16, 2006, including attachments \( \Lambda - F \)</li> </ol>	
1	8	VOLUME 9 OF 15	
	9 14	Reporter's Transcript of Proceedings, Volume I, <u>Castillo v. State</u> , Clark County, Grand Jury, Case No. C133336, January 11, 1996	
	il I	Reporter's Transcript of Proceedings, Volume II, <u>Castillo v. State</u> , Clark County, Grand Jury, Case No. C133336, January 18, 1996	
	22   1. 23   1.	19. Transcript (Arraignment), <u>Castillo v. State</u> , Clark County, Case No. C133336, January 24, 1996	-
-	24 1	Transcript, Castillo v. State, Clark County, Case No. C133336, March 13, 1996	ļ
		51. Transcript, Castillo v. State, Clark County, Case No. C133336, April 3, 1996	
		Recorder's Transcript Re: Defendant Castillo's Petition for Writ of Habeas Corpus, Defendant Platou's Petition for Writ of Habeas Corpus, State's	-,
	27	Motion to Amend Indictment, <u>Castillo v. State</u> , Clark County, Case No	•
	28		

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1		C133336, May 1, 1996
2	153.	Reporter's Transcript of Proceedings in Re: Defendant Castillo's Petition for Writ of Habeas Corpus and Defendant Platou's Petition for Writ of Habeas
3		Corpus, Castillo v. State, Clark County, Case No. C133336, May 29, 1996
4	154.	Transcript, Castillo v. State, Clark County, Case No. C133336, July 22, 1996
5	155.	Reporter's Transcript of Proceedings In Re: Motions, Castillo v. State, Clark County, Case No. C133336, August 12, 1996
7	156.	Transcript, Castillo v. State, Clark County, Case No. C133336, August 21, 1996
8		<u>VOLUME 10 OF 15</u>
9	157.	Trial Transcript, Volume I, Castillo v. State, Clark County, Case No. C133336, August 26, 1996
10		August 20, 1990
11	158.	Trial Transcript, Volume II, <u>Castillo v. State</u> , Clark County, Case No. C133336, August 27, 1996 2:10 PM
12	159.	Trial Transcript, Volume II, Castillo v. State, Clark County, Case No.
13		C133336, August 27, 1996 4:40 PM
14	160.	Trial Transcript, Volume III, Morning Session, <u>Castillo v. State</u> , Clark County, Case No. C133336, August 28, 1996
15		VOLUME 11 OF 15
16 17	161.	Reporter's Transcript of Trial, Volume III, Afternoon Session, Castillo v. State, Clark County, Case No. C133336, August 28, 1996
18	162.	Trial Transcript, Volume IV - Morning Session, Castillo v. State, Clark County, Case No. C133336, August 29, 1996 9:30 A.M.
19	163.	Reporter's Transcript of Jury Trial, Volume IV - Afternoon Session, Castillo
20		v. State, Clark County, Case No. C133336, August 29, 1996 1:15 P.M.
21		<u>VOLUME 12 OF 15</u>
22	164.	Trial Transcript, Volume V - Morning Session, <u>Castillo v. State</u> , Clark County, Case No. C133336, September 3, 1996 9:35 A.M.
23	165	
24	165.	Reporter's Transcript of Trial, Volume V, Afternoon Session, Castillo v. State, Clark County, Case No. C133336, September 3, 1996
25	166.	Trial Transcript, Volume VI, <u>Castillo v. State</u> , Clark County, Case No. C133336, September 4, 1996 11:35 A.M.
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### VOLUME 13 OF 15

1		VOLUME 13 OF 15
2	167.	Penalty Hearing Transcript, <u>Castillo v. State</u> , Clark County, Case No. C133336, September 19, 1996
3	168.	Reporter's Transcript, Penalty Hearing, Volume I-Afternoon Session, <u>Castillo v. State</u> , Clark County, Case No. C133336, September 19, 1996
5	169.	Reporter's Transcript, Penalty Hearing, Volume II - Morning Session, Castillo v. State, Clark County, Case No. C133336, September 20, 1996
	}	VOLUME 14 OF 15
7 8	170.	Reporter's Transcript, Penalty Hearing, Volume II - Afternoon Session, Castillo v. State, Clark County, Case No. C133336, September 20, 1996
9 10	171.	Reporter's Transcript, Penalty Hearing - Volume III - Morning Session, Castillo v. State, Clark County, Case No. C133336, September 24, 1996
11	172.	Reporter's Transcript, Penalty Hearing - Volume III - Afternoon Session, Castillo v. State, Clark County, Case No. C133336, September 24, 1996
12		<u>VOLUME 15 OF 15</u>
13 14	173.	Reporter's Transcript, Penalty Hearing - Volume IV, <u>Castillo v. State</u> , Clark County, Case No. C133336, September 25, 1996
15	174.	Reporter's Transcript, Castillo v. State, Clark County, Case No. C133336, November 4, 1996
16 17	1/3.	Reporter's Transcript of Motion to Withdraw, Castillo v. State, Clark County, Case No. C133336, December 16, 1996
13	176	Transcript, Motion for Appointment of Psychiatrist and Co-Counsel, Castillo v. State, Clark County, Case No. C133336, December 6, 1999
19 20	177.	Reporter's Transcript, State's Motion to Place on Calendar, Castillo v. State, Clark County, Case No. C133336, October 23, 2000
21	178.	Reporter's Transcript, Confirmation of Counsel, Castillo v. State, Clark County, Case No. C133336, October 26, 2000
22 23	179.	Recorder's Transcript, Defendant's Motion for Extension of Time to File Defendant's Supplemental Brief in Support of Defendant's Petition for Writ
24		of Habeas Corpus, Castillo v. State, Clark County, Case No. C133336, March 12, 2001
25	180.	Recorder's Transcript Re: Argument, <u>Castillo v. State</u> , Clark County, Case No. C133336, March 4, 2002
26 27	181.	Recorder's Transcript Re: Request of the Court: Argument, Castillo v. State, Clark County, Case No. C133336, April 10, 2002
28	3	



### 1 2

### RECEIPT OF COPY

RECEIPT OF A COPY of the above and foregoing EXHIBITS TO
PETITION FOR WRIT OF HABEAS CORPUS is hereby acknowledged, this day of
September, 2009.

### OFFICE OF THE DISTRICT ATTORNEY

BY

STEVEN OWENS, Deputy District Attorney 200 Lewis Avenue Las Vegas, Nevada 89155

### **CERTIFICATE OF MAILING**

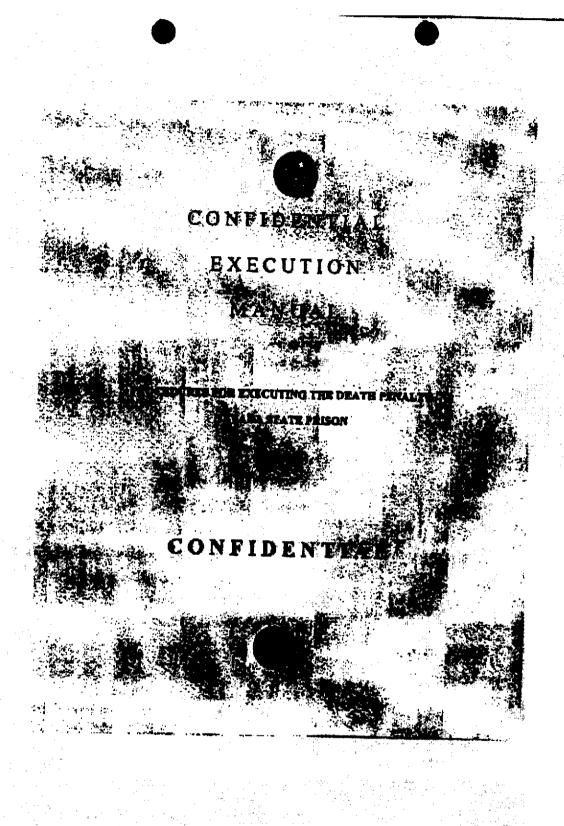
In accordance with Rule 5(b)(2)(B) of the Nevada Rules of Civil Procedure, the undersigned hereby certifies that on the Vaday of September, 2009, a true and correct copy of the foregoing EXHIBITS TO PETITION FOR WRIT OF HABEAS CORPUS was deposited in the United States mail, first class postage fully prepaid thereon, addressed to:

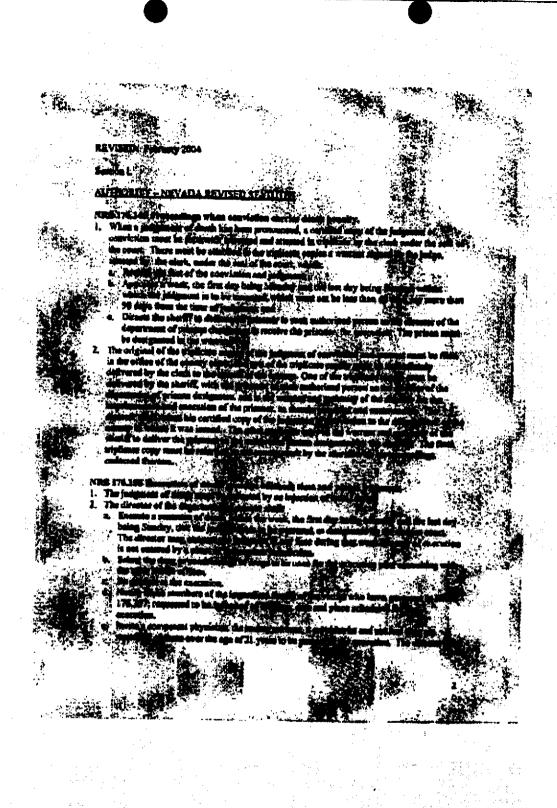
Catherine Cortez Masto, Nevada Attorney General Heather D. Procter, Deputy Attorney General Attorney General's Office 100 North Carson Street Carson City, Nevada 89701-4717

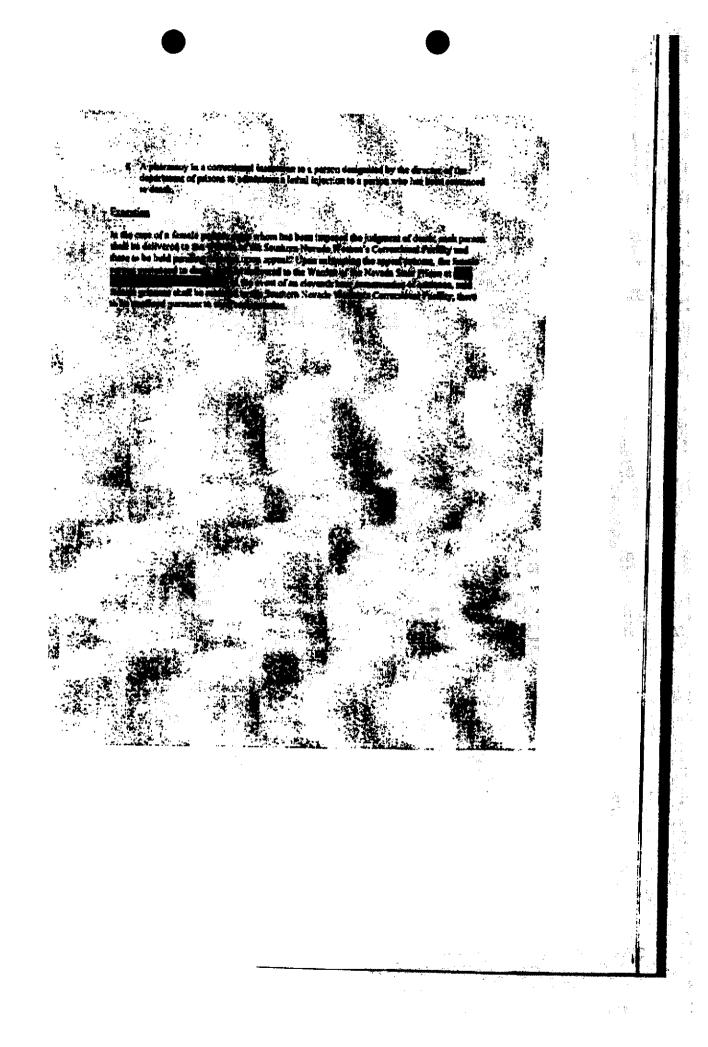
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## EXHIBIT 142

## EXHIBIT 142







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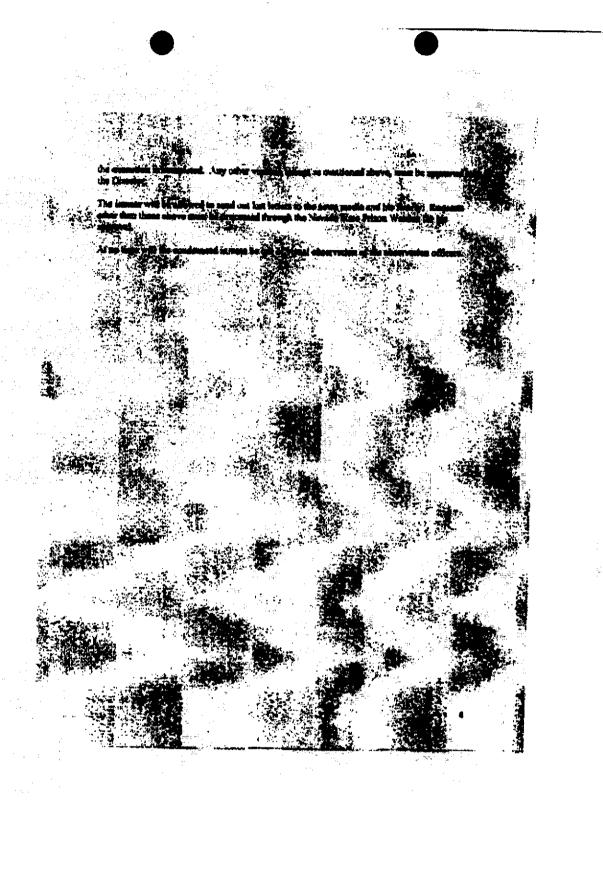
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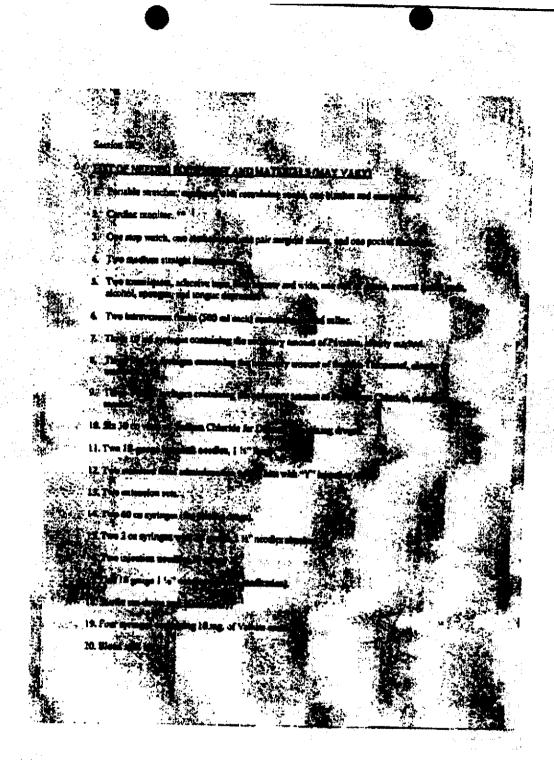
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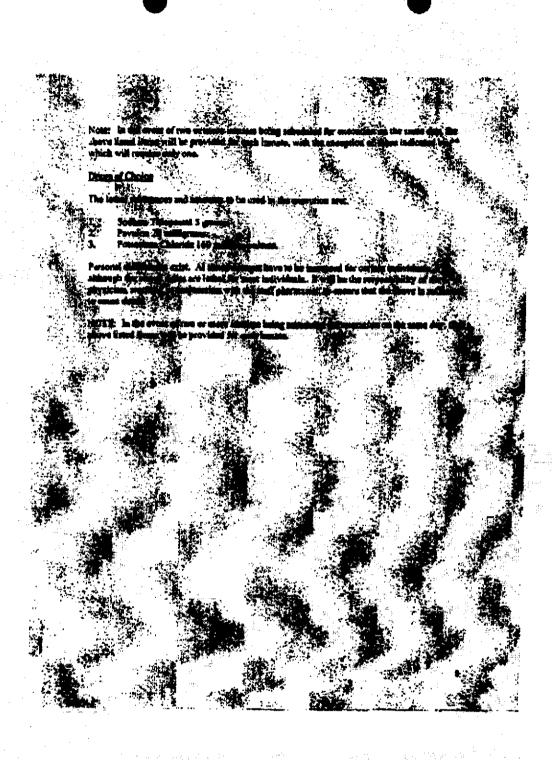
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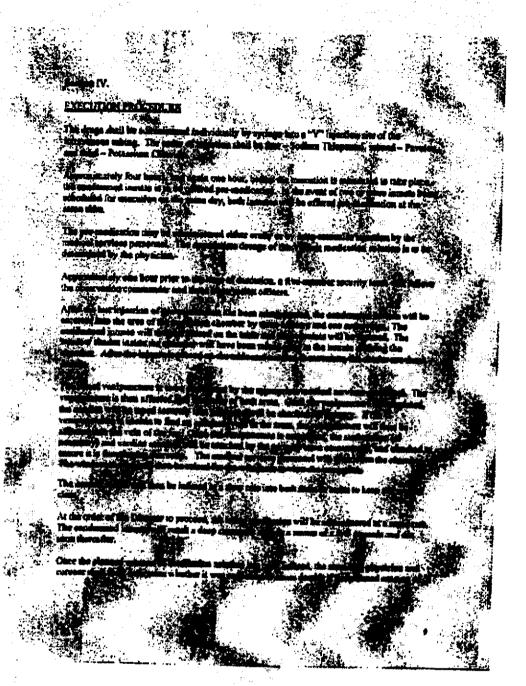
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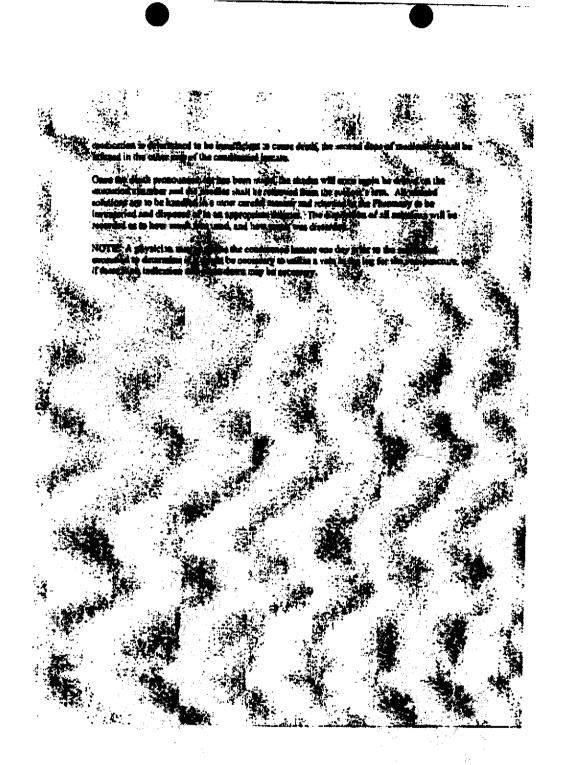
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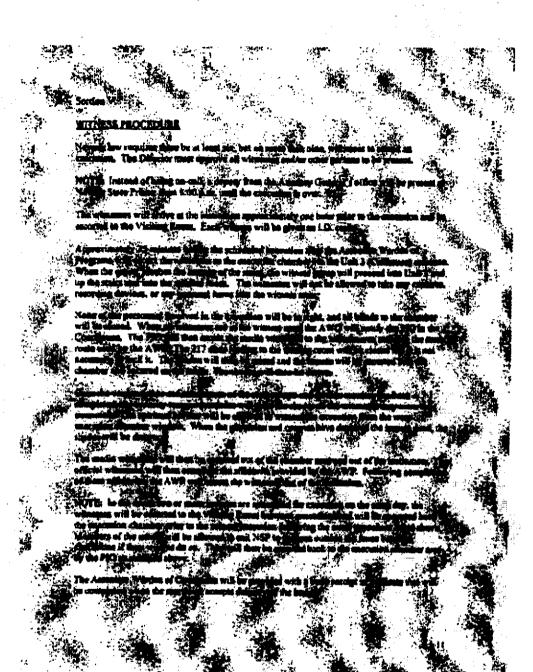


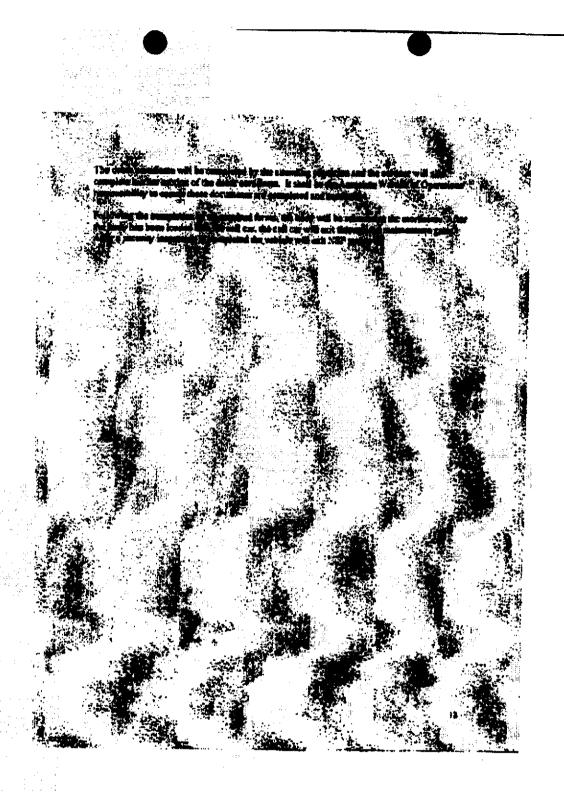


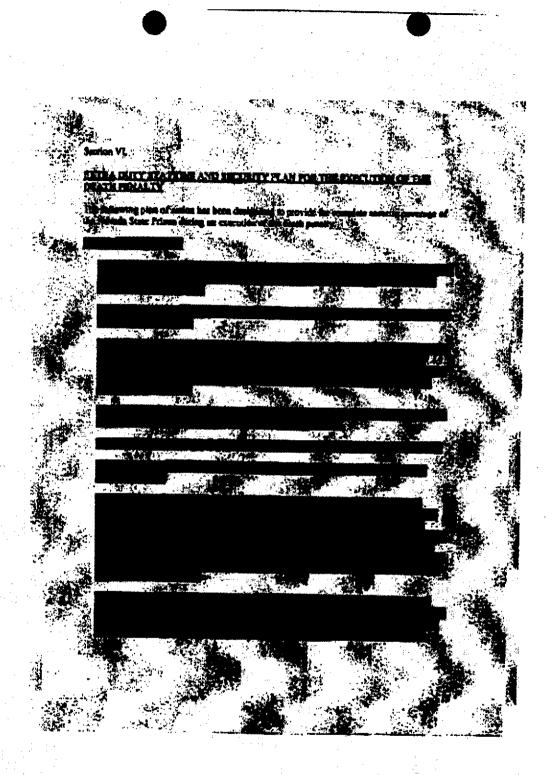


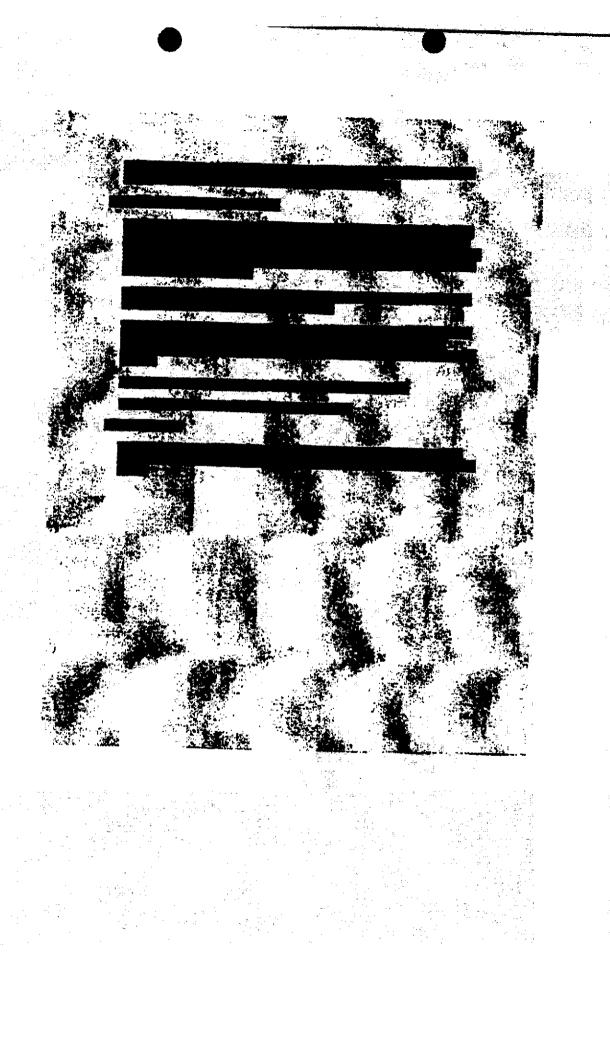


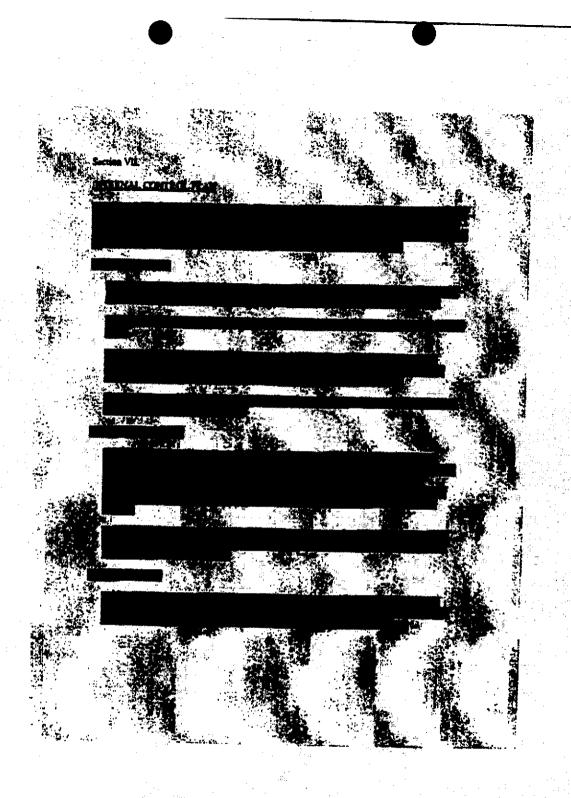


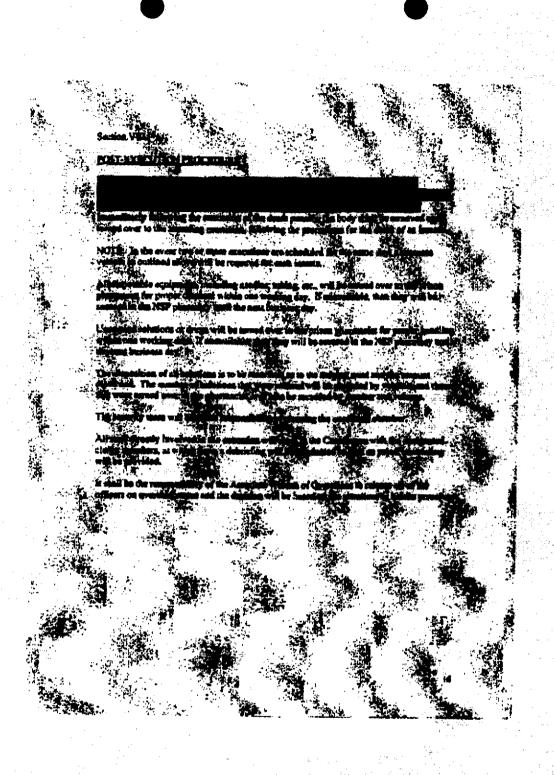


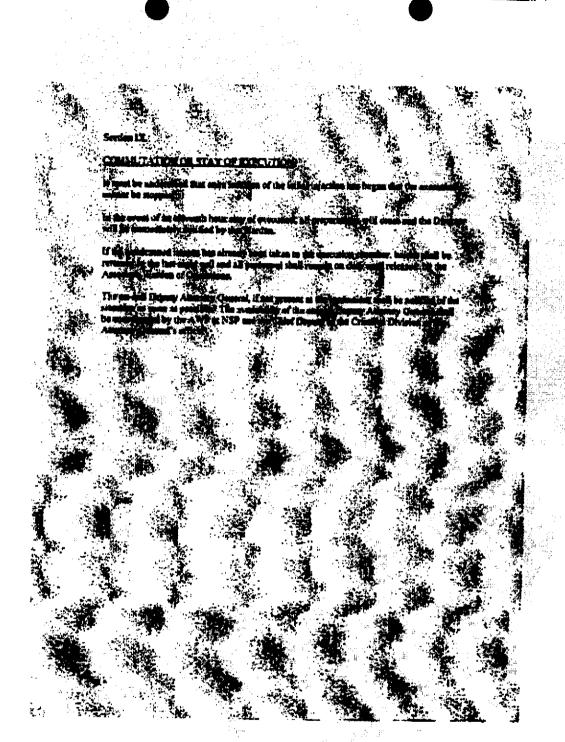


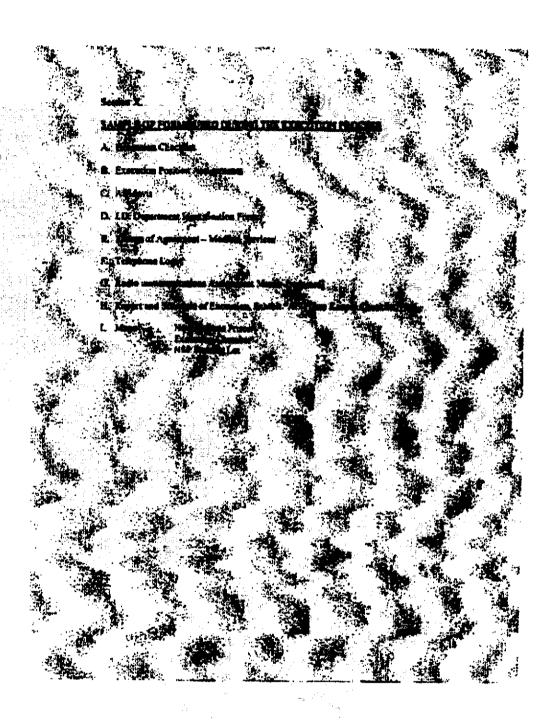


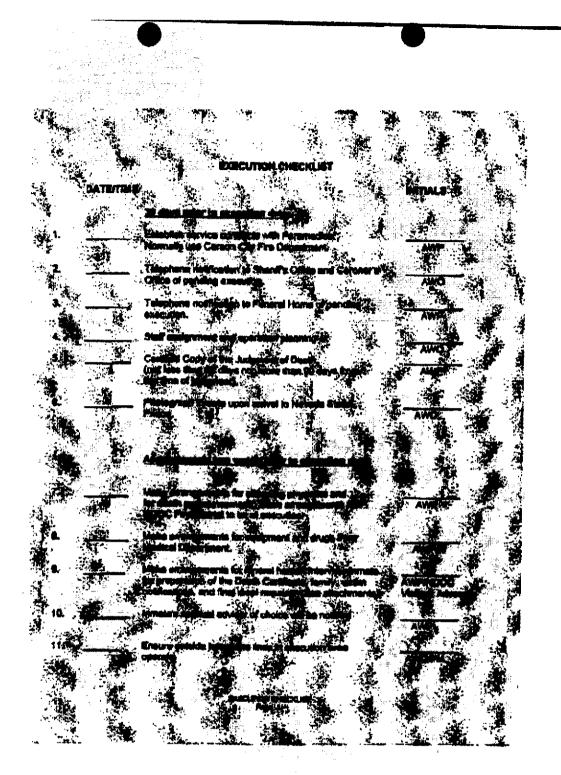


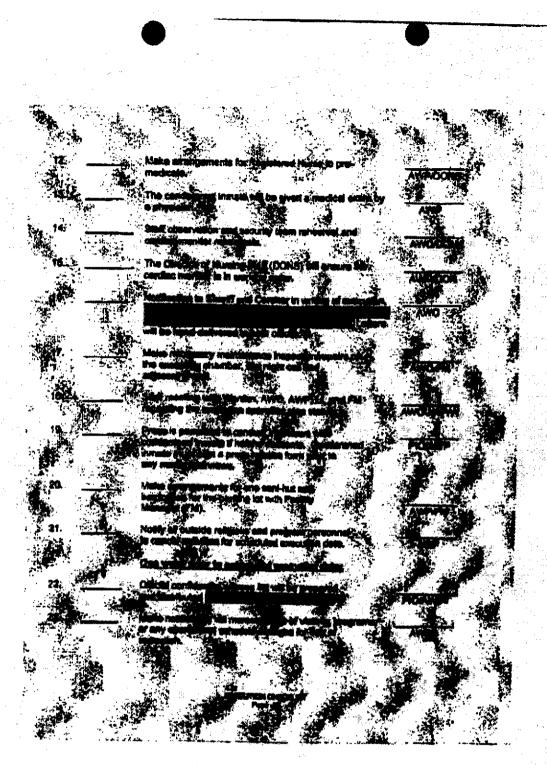


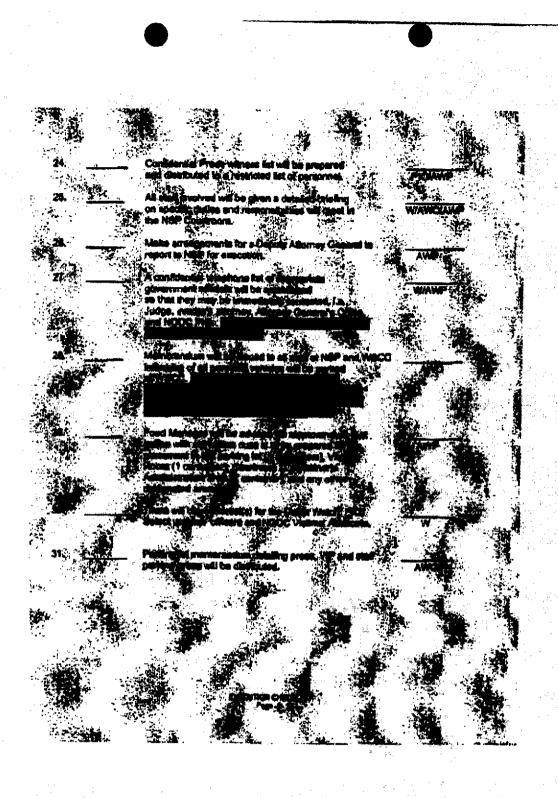


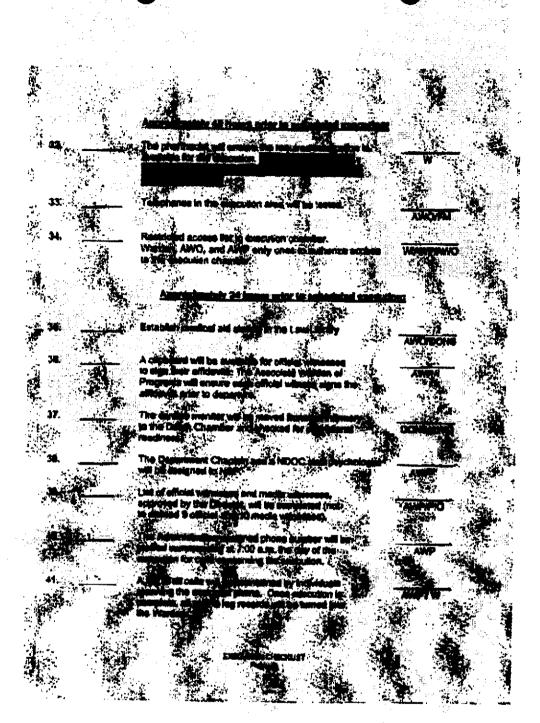


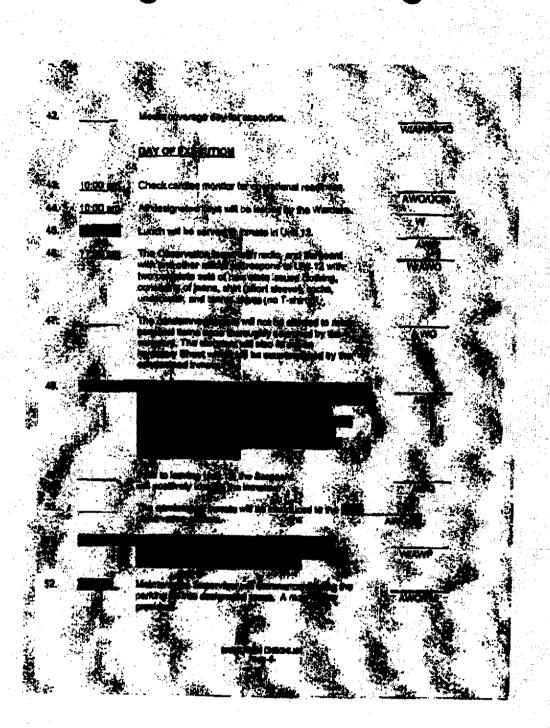


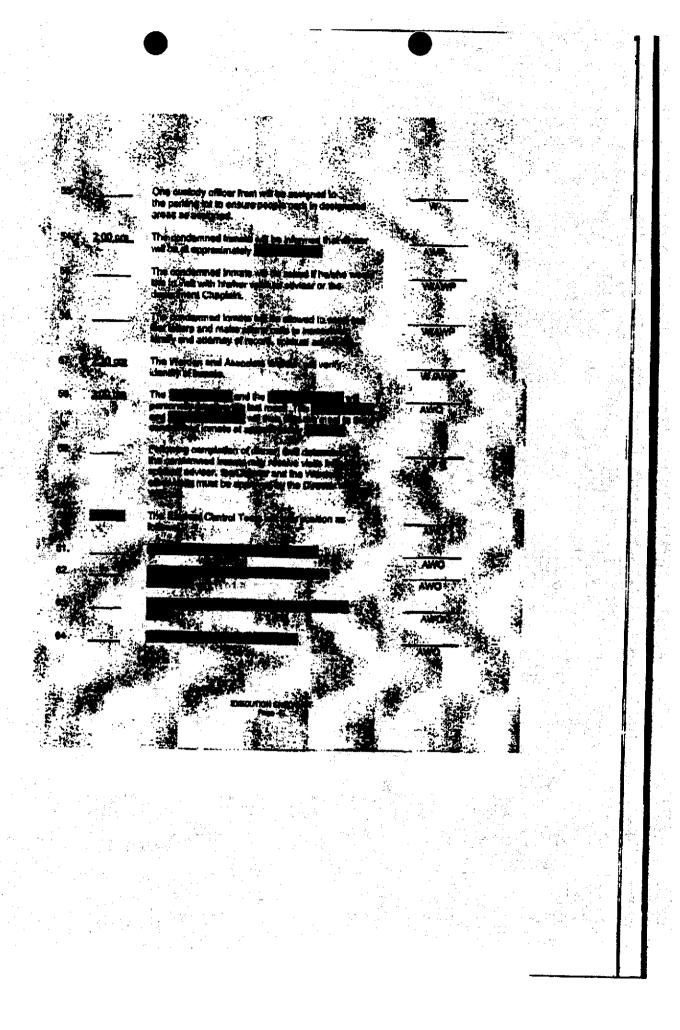


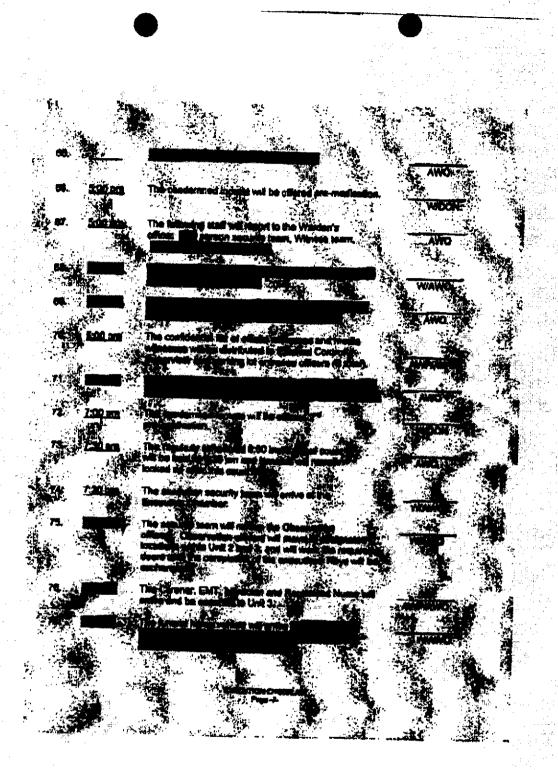


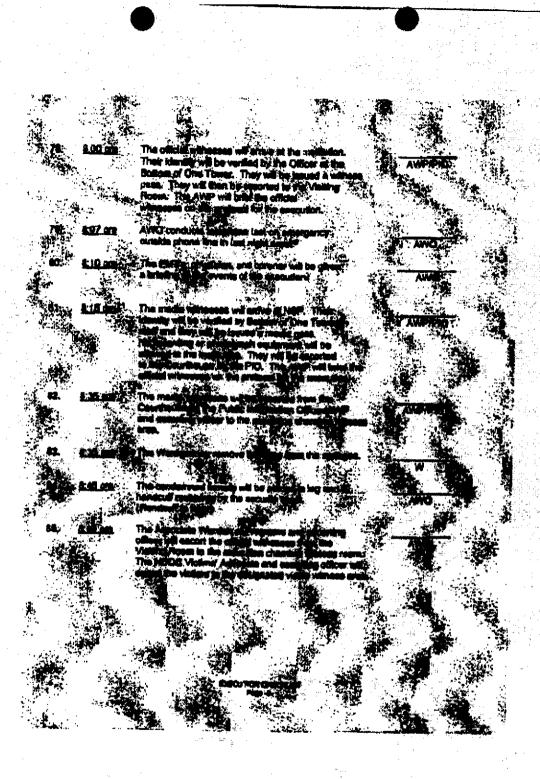


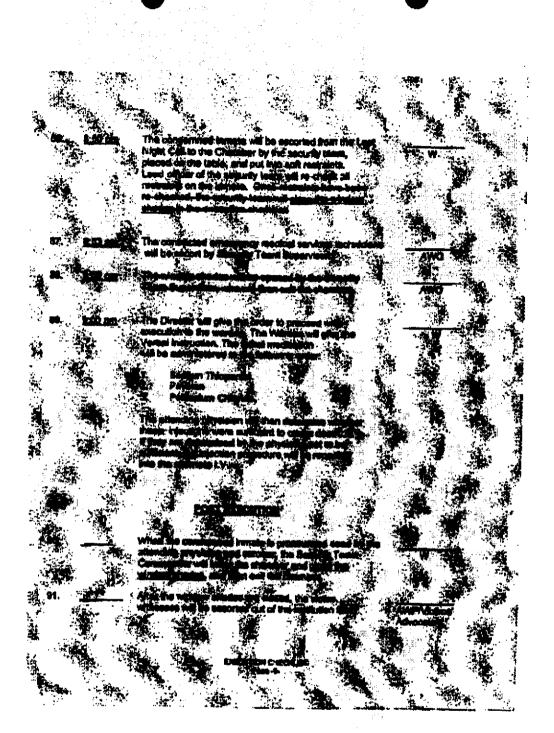


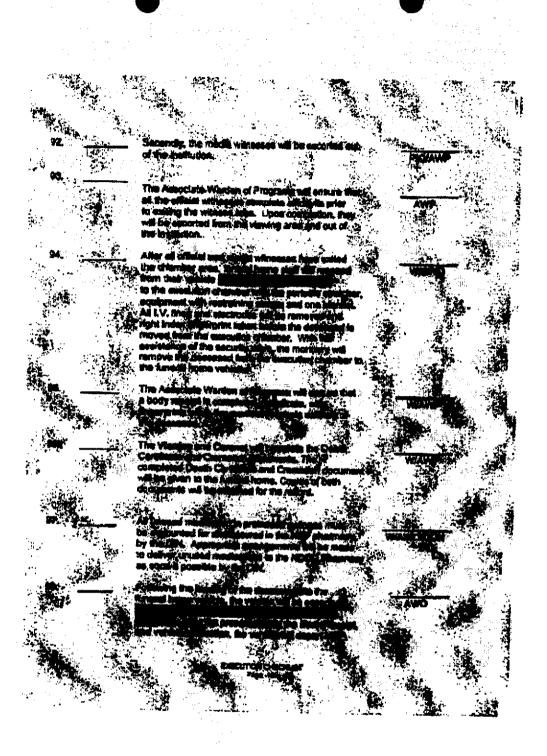


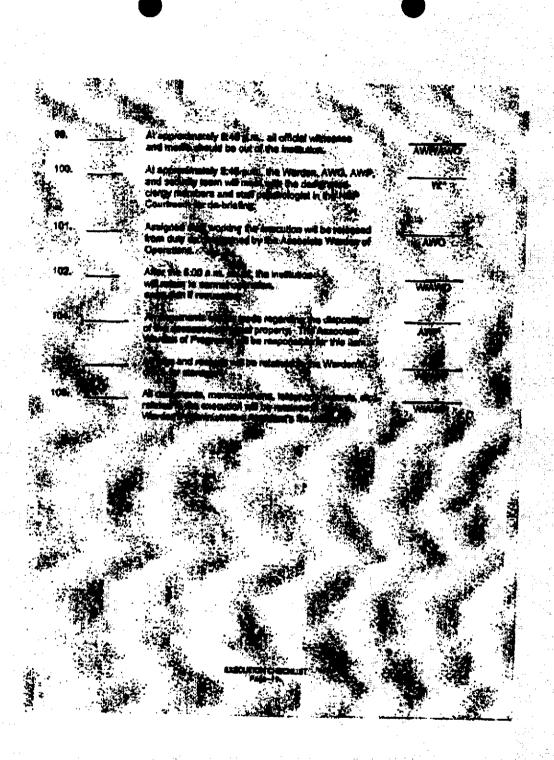


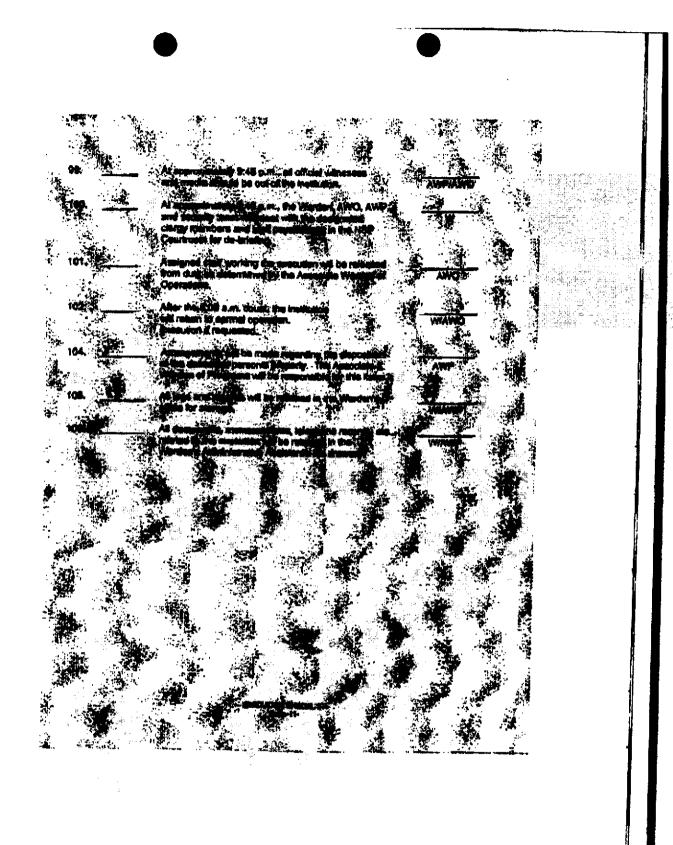


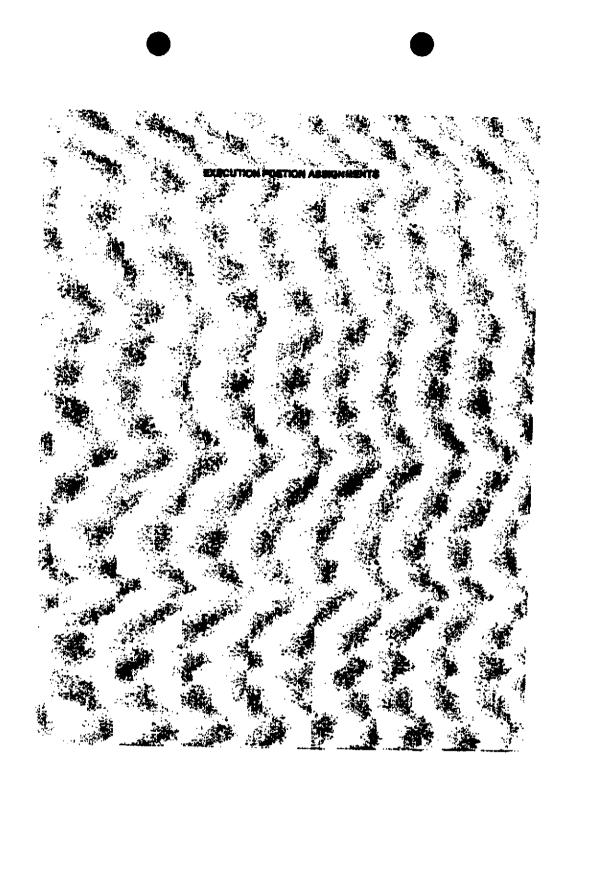


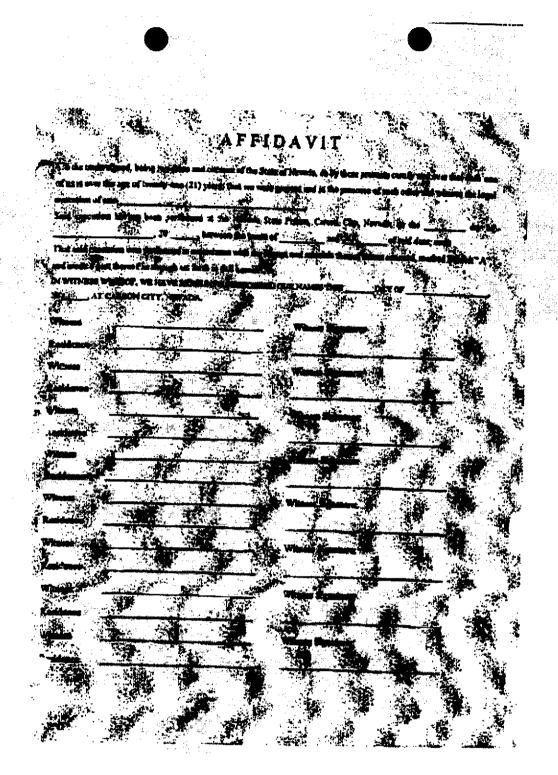


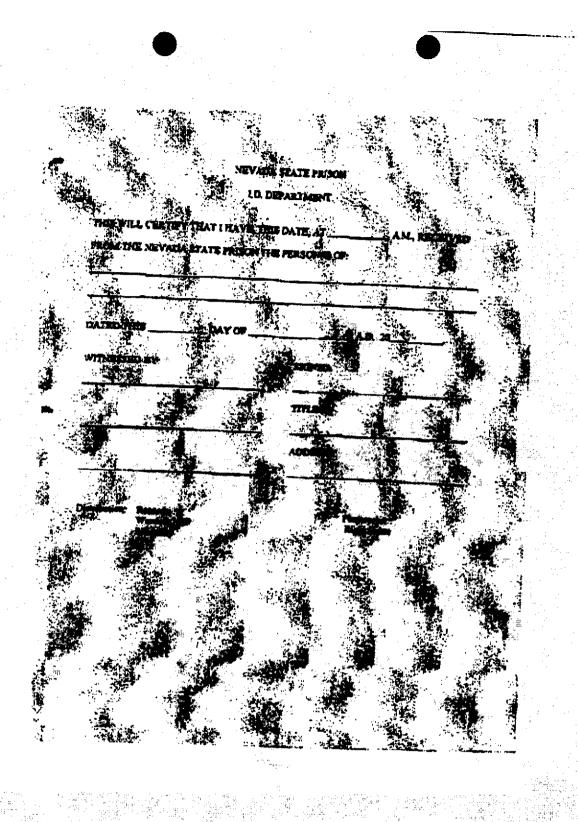


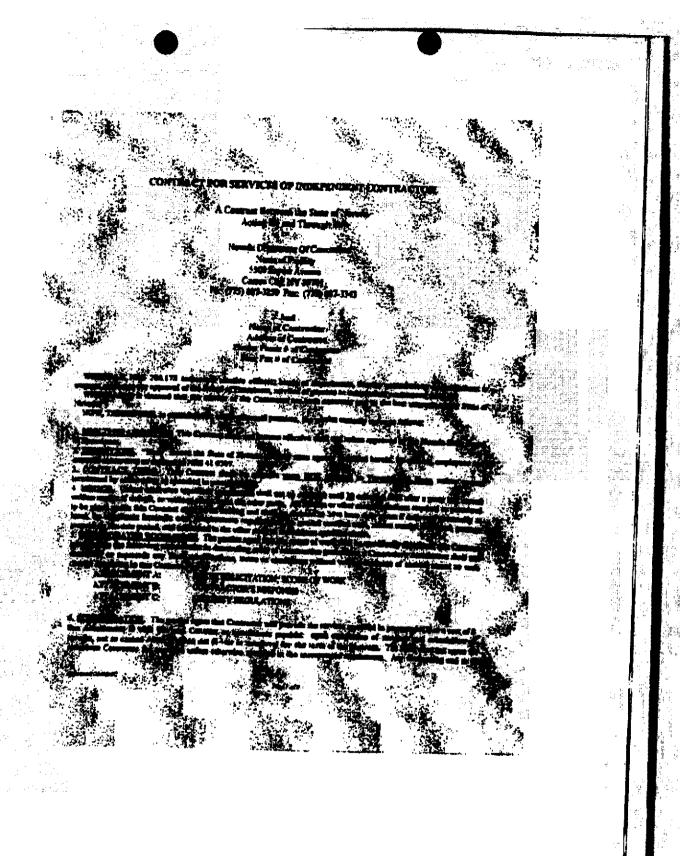


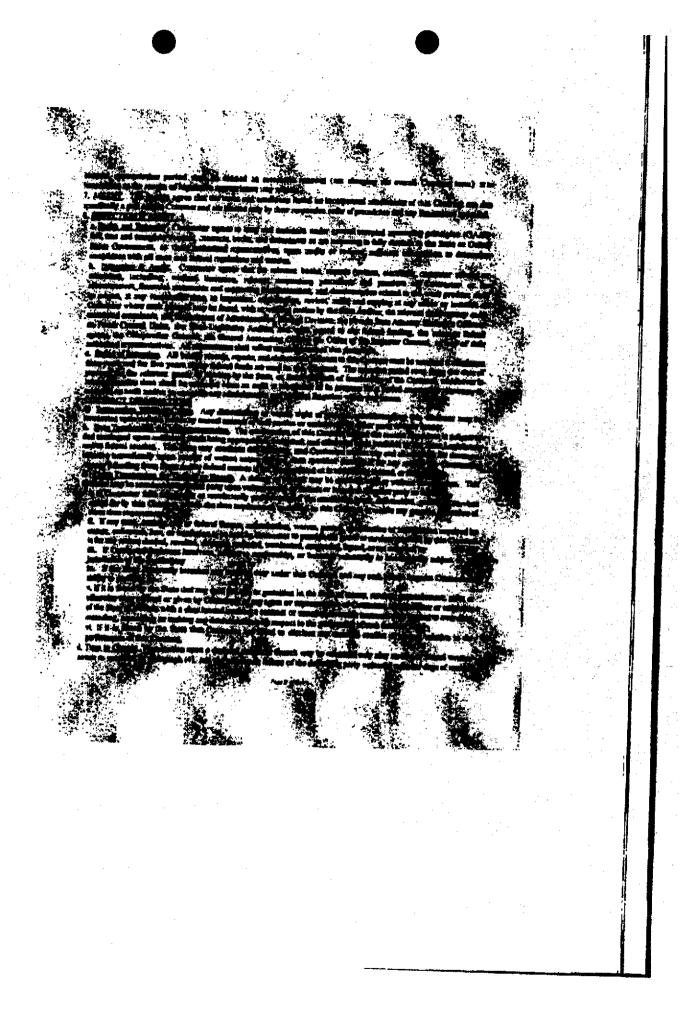


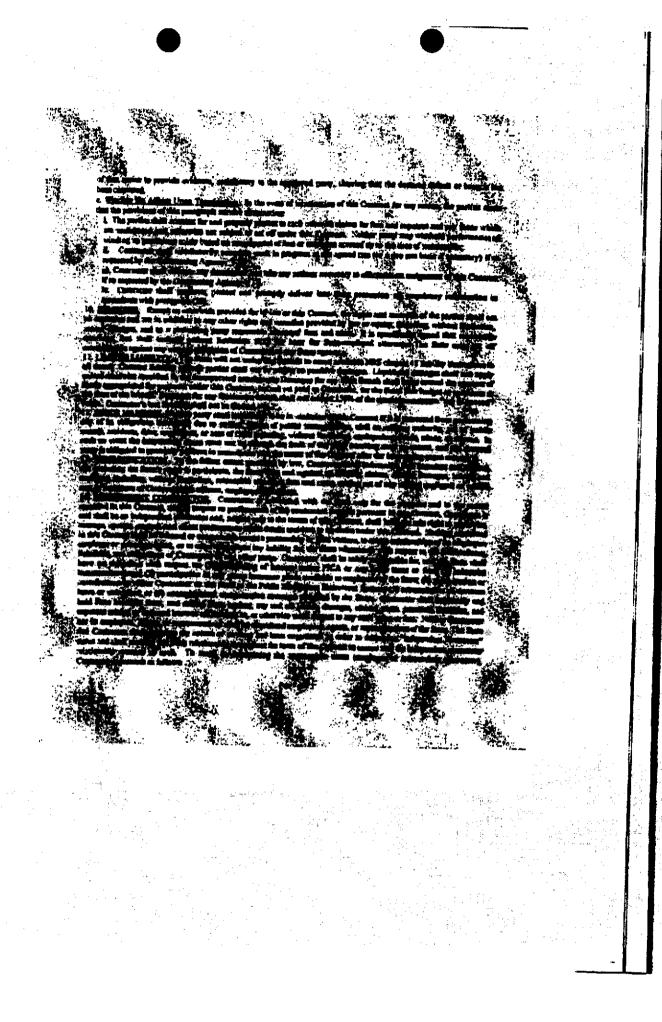


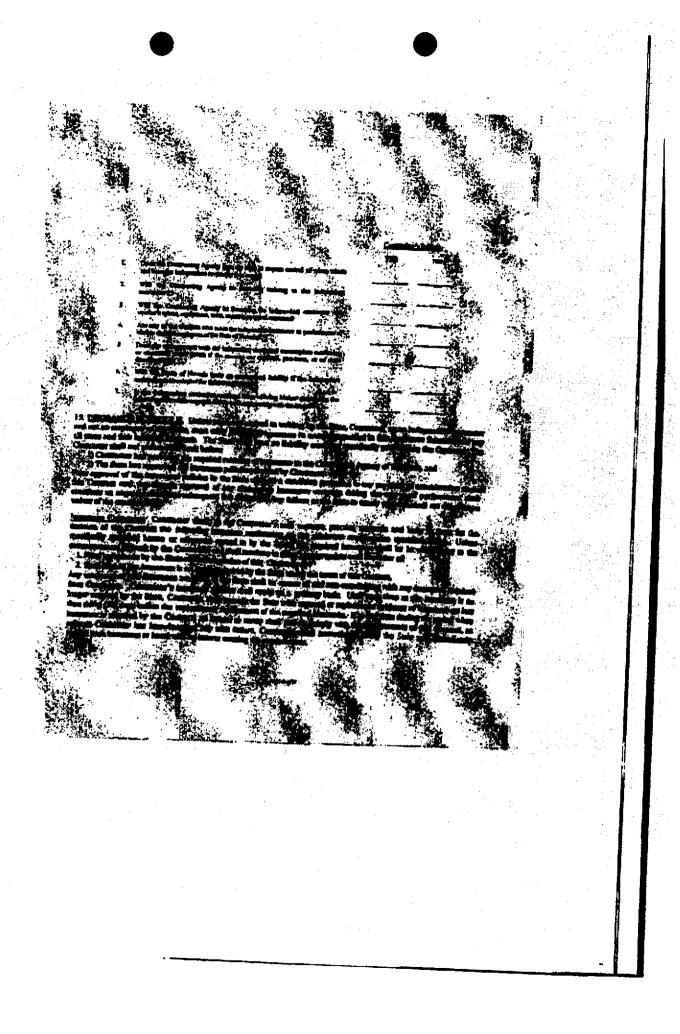


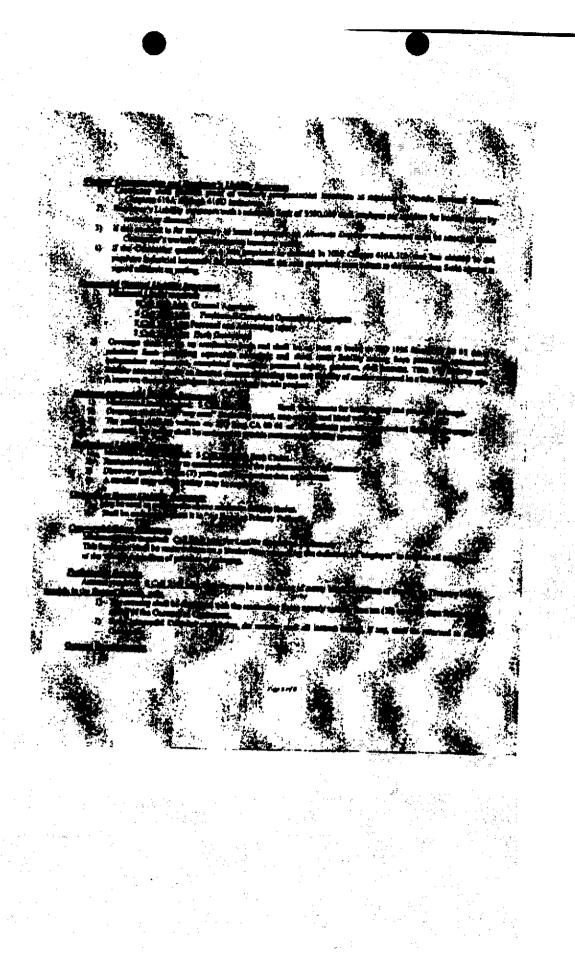


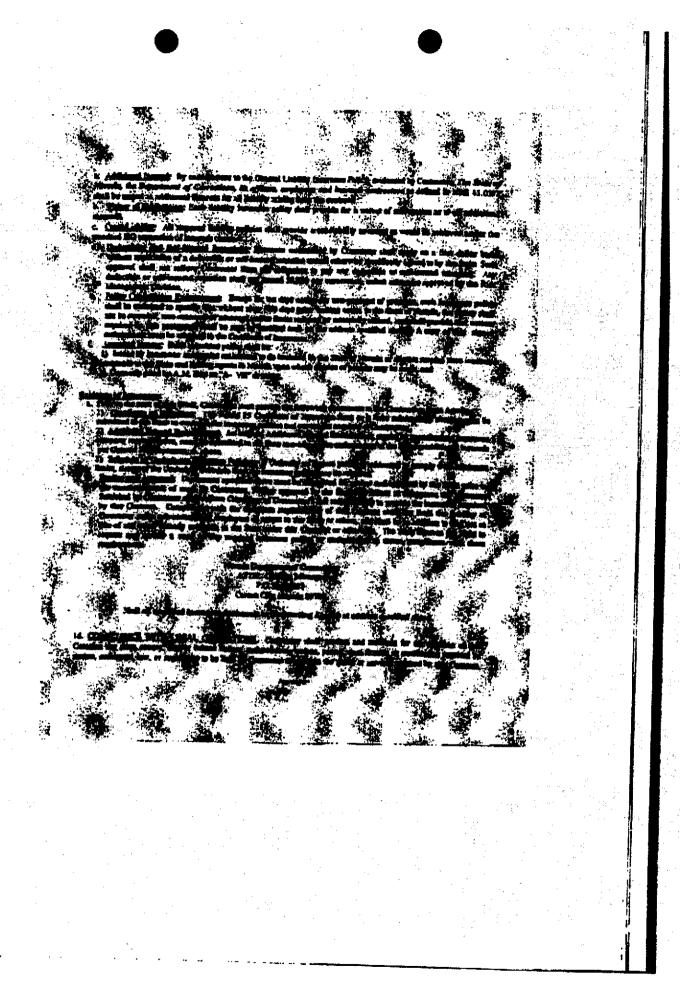


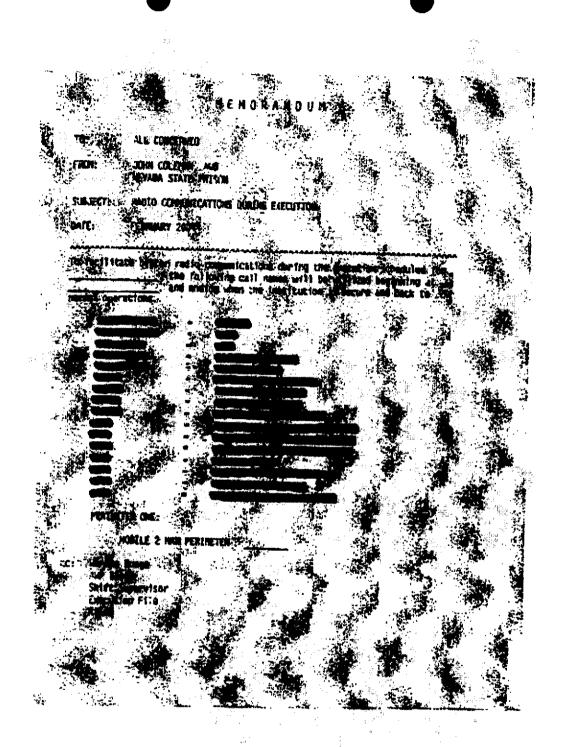


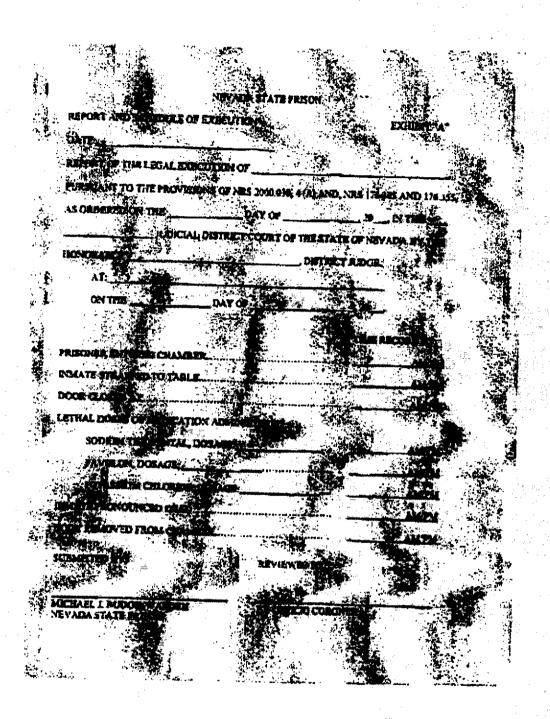












## EXHIBIT 142-A

## EXHIBIT 142-A



#### STATE OF NEVADA

#### OFFICE OF THE ATTORNEY GENERAL

#### TRANSPORTATION DIVISION

1263 South Stewart Street Carson City, Nevada 89712

CATHERINE CORTEZ MASTO Attorney General KEITH MUNRO First Assistant Attorney General

DANIEL WONG Chief Daputy Attorney General

June 13, 2008

Gary Taylor Assistant Federal Public Defender 411 East Bonneville Avenue, Suite 250 Las Vegas, Nevada 89101

Re: Confidential Execution Manual

Dear Gary:

I apologize for the delay in getting this to you.

Accompanying this cover letter, please find a redacted copy of the Nevada Department of Correction's current Confidential Execution Manual. The redacted portions cannot be released due to security concerns and issues. My records show I previously provided to you a copy of the revised Section IV Execution Procedure — Revised October 2007 on or about October 2, 2007.

Sincerely,

CATHERINE CORTEZ MASTO Nevada Attorney General

By\_

Daniel Wong

Chief Deputy Attorney General / Chief Counsel

**Transportation Division** 

(775) 888-7423

cc: Rex Reed, Nevada Department of Corrections

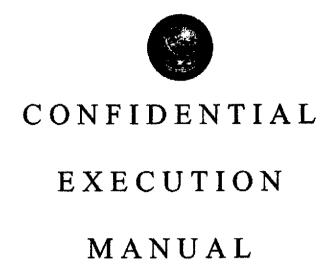
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CHALLINES

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# PROCEDURES FOR EXECUTING THE DEATH PENALTY NEVADA STATE PRISON

### CONFIDENTIAL



**REVISED: February 2004** 

Section I.

#### **AUTHORITY - NEVADA REVISED STATUTES**

#### NRS 176.345 Proceedings when conviction carries death penalty.

- When a judgement of death has been pronounced, a certified copy of the judgment of
  conviction must be forthwith executed and attested in triplicate by the clerk under the seal of
  the court. There must be attached to the triplicate copies a warrant signed by the judge,
  attested by the clerk, under the seal of the court, which:
  - a. Recites the fact of the conviction and judgment;
  - b. Appoints a week, the first day being Monday and the last day being Sunday, within which the judgment is to be executed, which must not be less than 60 days nor more than 90 days from the time of judgment; and
  - c. Directs the sheriff to deliver the prisoner to such authorized person as the director of the department of prisons designates to receive the prisoner, for execution. The prison must be designated in the warrant.
- 2. The original of the triplicate copies of the judgment of conviction and warrant must be filed in the office of the county clerk, and two of the triplicate copies must be immediately delivered by the clerk to the sheriff of the county. One of the triplicate copies must be delivered by the sheriff, with the prisoner, to such authorized person as the director of the department of prisons designates, and is the warrant and authority of the director for the imprisonment and execution of the prisoner, as therein provided and commended. The director shall return his certified copy of the judgment of conviction to the county clerk of the county in which it was issued. The other triplicate copy id the warrant and authority of the sheriff to deliver the prisoner to the authorized person designated by the director. The final triplicate copy must be returned to the county clerk by the sheriff with his proceedings endorsed thereon.

#### NRS 176.355 Execution of death penalty: Method; time and place; witnesses.

- 1. The judgment of death must be inflected by an injection of lethal drug.
- 2. The director of the department of prisons shall:
  - a. Execute a sentence of death within the week, the first day being Monday and the last day
    being Sunday, that the judgement is to be executed, as designated by the district court.

    The director may execute the judgment at any time during that week if a stay of execution
    is not entered by a court of appropriate jurisdiction.
  - b. Select the drug or combination of drugs to be used for the execution after consulting with the state health officer.
  - c. Be present at the execution.
  - d. Notify those members of the immediate family of the victim who have, pursuant to NRS 176.357, requested to be informed of the time, date and place scheduled for the execution.
  - e. Invite a competent physician, the county coroner, a psychiatrist and not less than six reputable citizens over the age of 21 years to be present at the execution. The director

shall give preference to those eligible members or representatives of the immediate family of the victim who requested, pursuant to NRS 176.357, to attend the execution.

- 3. The execution must take place at the state prison.
- 4. A person who has not been invited by the director may not witness the execution.

#### NRS 176.357 Request for notification of execution of death penalty; request to attend.

- 1. If after a conviction for murder a judgment of death has been pronounced, each member of the immediate family of the victim who is 21 years of age or older may submit a written request to the director to be informed of the time, date and place scheduled for the execution of the sentence of death. The request for notification may be accompanied by a written request to attend or nominate a representative to attend the execution.
- 2. As used in this section, "immediate family" means persons who are related by blood, adoption or marriage, within the second degree of consanguinity or affinity.

NRS 176.365 Director of department of corrections to make return on death warrant. After the execution, the director of the department of prisons must make a return upon the death warrant to the court by which the judgment was rendered, showing the time, place, mode and manner in which it was executed.

#### NRS 176.495 New warrant generally.

- If for any reason a judgement of death has not been executed, and it remains in force, the
  court in which the conviction was had must, upon the application of the attorney general or
  the district attorney of the county in which the conviction was had, cause another warrant to
  be drawn, signed by the judge and attested by the clerk under the seal of the court, and
  delivered to the director of the department of prisons.
- 2. The warrant must state the conviction and judgment and appoint a week, the first day being Monday and the last day being Sunday, within which the judgement is to be executed. The first day of that week must be not less than 15 days nor more than 30 days after the date of the warrant. The director shall execute a sentence of death within the week the judgment is to be executed, as designated by the district court. The director may execute the judgment at any time during that week if a stay of execution is not entered by a court of appropriate jurisdiction.
- 3. Where sentence was imposed by a district court composed of three judges, the district judge before whom the confession or plea was made, or his successor in office, shall designate the week of execution, the first day being Monday and the last day being Sunday, and sign the warrant.

#### NRS 454.213 Authority to possess and administer dangerous drug.

9. Any person designated by the head of a correctional institution.

### NRS 454.221 Furnishing dangerous drug without prescription prohibited; penalty; exceptions.

- 1. A person who furnishes any dangerous drug except upon the prescription of a practitioner is guilty of a category D felony and shall be punished as provided in NRS 193.130, unless the dangerous drug was obtained originally by a legal prescription.
- 2. The provisions of this section do not apply to the furnishing of any dangerous drug by:

f. A pharmacy in a correctional institution to a person designated by the director of the department of prisons to administer a lethal injection to a person who has been sentenced to death.

#### Exception

In the case of a female person, upon whom has been imposed the judgment of death, such person shall be delivered to the Warden of the Southern Nevada Women's Correctional Facility and there to be held pending decision upon appeal. Upon exhausting the appeal process, the female person sentenced to death shall be delivered to the Warden of the Nevada State Prison at In the event of an eleventh hour commutation of sentence, said female prisoner shall be returned to the Southern Nevada Women's Correctional Facility, there to be confined pursuant to such commutation.

#### Section II.

#### OVERVIEW OF THE DAY OF EXECUTION

At approximately 10:30 a.m. (all times are approximate and may be adjusted on an "as needed" basis) on the day of the execution, the assigned sergeant and observation officers will report to the condemned man's living unit. They will take with them two complete sets of new state-issue clothing, which have been searched by the sergeant. They will enter the unit and proceed to the cell of the condemned inmate. The condemned inmate will not be allowed to bring with him any personal items. All of the inmate's personal property will be thoroughly searched by the sergeant, who will also fill out an inventory sheet, which will be counter signed by the condemned inmate. His personal property will be disposed of in accordance with departmental procedures. He will then be allowed to eat lunch at approximately After being positively identified, the condemned inmate will then be taken to the unit office where he will be stripped and body searched. He will then put on one set of new clothing, consisting of a pair of jeans, shirt, socks, underwear and tennis shoes. The inmate will be placed in leg and wrist restraints, and escorted to the last night cell area by the officers. Direct sight coverage will be maintained by the officers of the condemned inmate when he is moved into the last night cell. The second set of clothing will be stored in the last night cell area. Should the inmate have a radio and/or TV set, they will not be allowed to be placed in the cell but will be in the outer corridor of the cell. He will then be introduced to the officers (one of the officers is relief). Following the inmate being placed in the last night cell area he will again be positively identified by a staff identification officer and the Associate Warden of Operations. The inmate will be informed that his dinner will be served at approximately will also be asked who his spiritual advisor is and if he desires a visit from him or the Institutional Chaplain. The Institutional Chaplain will be assigned to the Nevada State Prison the day before the execution and the day of the execution. At approximately 4:00 - 4:30 p.m., his dinner will be brought from the Culinary of the Nevada State Prison by a sergeant and The dinner will be and such preparation shall be personally prepared by witnessed by the Culinary officer. Coffee will be available throughout the night.

Note: In the event that more than one inmate is scheduled for execution on the same day, observation officers will be utilized.

Following the completion of dinner, until two hours prior to the time set for execution, the inmate may receive visits from his spiritual advisor, the Director, and the Warden. The observation officers will remain in the institution from the start of the observation officers until

the execution is completed. Any other visitors, except as mentioned above, must be approved by the Director.

The inmate will be allowed to send out last letters to the news media and his family. Requests other then those above must be processed through the Nevada State Prison Warden for his approval.

At no time will the condemned inmate be out of visual observation of the observation officers.

#### Section III.

#### LIST OF NEEDED EQUIPMENT AND MATERIALS (MAY VARY)

- 1. Portable stretcher, equipped with restraining straps, one blanket and one pillow.
- 2. Cardiac monitor. \*\*
- One stop watch, one stethoscope, one pair surgical shears, and one pocket flashlight.
- 4. Two medium straight hemostats.
- 5. Two tourniquets, adhesive tape, both narrow and wide, one roll of gauze, several gauze pads, alcohol, sponges, and tongue depressor.
- 6. Two intravenous flasks (500 ml each) containing normal saline.
- 7. Three 10 ml syringes containing the necessary amount of Pavulon, clearly marked.
- 8. Three 140 ml syringes containing the necessary amount of Sodium Thiopental, clearly marked.
- Three 140 ml syringes containing the necessary amount of Potassium Chloride, clearly marked.
- 10. Six 30 cc vials of Sodium Chloride for Diluent, (for mixing drugs).
- 11. Two 18-gauge intercath needles, 1 34" long.
- 12. Two standard fluid administration tubing sets with "Y" injection site.
- 13. Two extension sets.
- 14. Two 60 cc syringes (for mixing drugs).
- 15. Two 3 cc syringes with 21 gauge, 1 ½" needles attached.
- 16. Two injection needles, 20 gauge 2".
- 17. One 18 gauge 1 ½" needles (mixing medication).
- 18. Sterile cut-down tray if necessary.
- 19. Four syringes containing 10 mg. of Valium each.
- 20. Blood spill kit.

Note: In the event of two or more inmates being scheduled for execution on the same day, the above listed items will be provided for each inmate, with the exception of those indicated by \*\* which will require only one.

#### **Drugs of Choice**

The lethal substances and amounts to be used in the execution are:

- 1. Sodium Thiopental 5 grams.
- 2. Pavulon 20 milligrams.
- 3. Potassium Chloride 160 milliequivalents.

Personal differences exist. At times dosages have to be increased for certain individuals, although the above doses are lethal for most individuals. It will be the responsibility of the physician, working in conjunction with the staff pharmacist, to ensure that the above is sufficient to cause death.

NOTE: In the event of two or more inmates being scheduled for execution on the same day, the above listed items will be provided for each inmate.

Section IV.

#### **EXECUTION PROCEDURE**

The condemned inmate shall be pre-medicated with a sedative approximately four hours and one hour before the Execution is scheduled to occur. This sedative pre-medication is mandatory.

Medical services personnel will administer the sedative pre-medication orally. This sedative pre-medication is intended to provide a calming affect and shall not cause any lack of cognitive ability, incoherency or incompetence. A physician will determine the appropriate sedative and dosage.

A five-member security team will relieve the observation commander and the three observation officers approximately one hour prior to the time of Execution.

The window shades of the Execution Chamber shall be raised prior to the condemned inmate entering the Execution Chamber. Prior to the time of Execution, the condemned inmate will be escorted into the Execution Chamber by one supervisor and three officers. The condemned inmate will be placed on the table and the restraints will be secured. The window shades inside the Execution Chamber will remain raised during the Execution procedure.

Appropriate medical services personnel will perform the actual venipuncture. Venipuncture will occur into the veins of both arms. Once the venipunctures are completed, the needles will be taped securely into place and will be checked for patency. If the venipuncturist is unable to find an adequate vein in an arm, the venipuncture will occur into the vein of a leg. Once the venipunctures are completed, a stethoscope (if necessary) and cardiac monitor will be attached by the security team commander and checked to ensure they are functioning correctly. The medical services personnel will then leave the Execution Chamber.

A normal saline solution will then be infused at a slow rate in order to keep the system clear.

Three syringes - one each containing the appropriate doses of Sodium Thiopental, Pavulon and Potassium Chloride - constituting one set will be available. Three sets will be available.

The lethal injections shall be administered individually by syringe into a "Y" injection site of the intravenous tubing. The order of injection shall be first – Sodium Thiopental, second – Pavulon, and third – Potassium Chloride. At the order of the Director to proceed, the lethal injections will be administered at a rapid rate. Once started, the lethal injections will continue until all three syringes of two sets are administered and emptied. The first syringe of the first set and the first syringe of the second set will be administered simultaneously. The second syringe of both sets will be administered simultaneously. The third syringe of both sets will be administered simultaneously.

Once the lethal injections have been administered, the attending physician or designee and coroner shall then determine whether it was sufficient to cause death. If the previous lethal injections are determined to be insufficient to cause death, the third set of lethal injections shall be administered.

Once the death pronouncement has been made, all witnesses, observers and media personnel will be escorted from the Execution Chamber viewing area. All unused lethal injection solutions shall be handled in a most careful manner and returned to the Pharmacy to be inventoried and disposed of appropriately. The disposition of all solutions will be recorded including how much was used and how much was discarded.

NOTE: A physician may examine the condemned inmate prior to the scheduled Execution to determine if it might be necessary to utilize a vein in the leg for the venipuncture, or if there is an indication that a cut-down may be necessary.

Revised October 2007.

Section V.

#### WITNESS PROCEDURE

Nevada law requires there be at least six, but no more than nine, witnesses to attend an execution. The Director must approve all witnesses and/or other persons to be present.

NOTE: Instead of being on-call, a deputy from the Attorney General's office will be present at Nevada State Prison from 8:00 p.m. until the execution is over.

The witnesses will arrive at the institution approximately one hour prior to the execution and be excerted to the Visiting Room. Each witness will be given an I.D. card.

Approximately 25 minutes before the scheduled execution time the Associate Warden of Programs will escort the witnesses to the execution chamber via the Unit 3 (Cellhouse) entrance. When the escort reaches the bottom of the stairs, the witness group will proceed into Unit 3 and up the stairs and into the witness room. The witnesses will not be allowed to take any cameras, recording devices, or any personal items into the witness area.

None of the personnel involved in the execution will be in sight, and all blinds to the chamber will be closed. When all witnesses are in the witness area, the AWO will notify the PIO in the Courthouse. The PIO will then escort the media witnesses to the witness area utilizing the same route used by the AWP. The 217 door leading to the witness room will be closed but it is not necessary to lock it. The shades will then be raised and the inmate will be escorted into the chamber and secured on the table. The shades will then be drawn.

Once the venipuncture and attachment of the stathescope and cardiac monitor has been completed, the security team commander will raise the shades so the witnesses may view the execution. The spiritual advisor will be allowed to witness the execution from the west execution chamber window. When the physician and coroner have declared the inmate dead, the shades will be drawn.

The media witnesses will then be escorted out of the chamber area and out of the institution. The official witnesses will then complete the affidavits provided by the AWP. Following completion of these affidavits, the AWP will escort the witnesses out of the institution.

NOTE: In the event two or more inmates are scheduled for execution on the same day, the witnesses will be executed to the Visiting Room between executions and will be executed back to the execution chamber prior to the second execution following the same procedure listed above. Members of the media will be allowed to exit NSP to the area outside the fence between executions if they wish to do so. They will then be escorted back to the execution chamber area by the PIO as outlined above.

The Associate Warden of Operations will be provided with a body receipt in triplicate that will be completed when the mortician accepts delivery of the body.

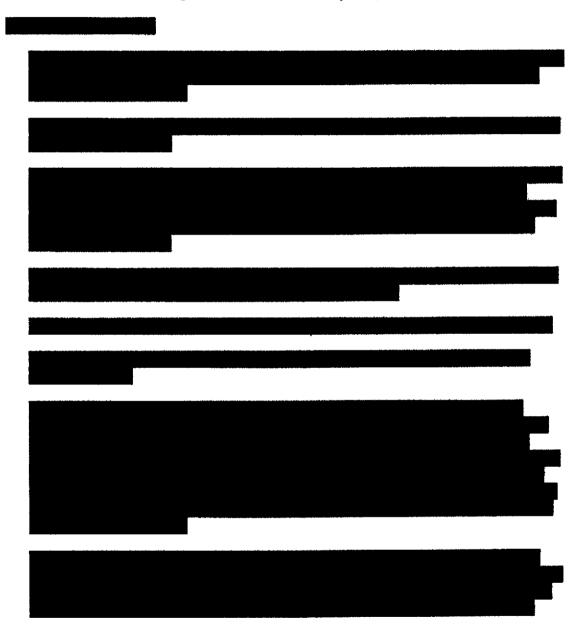
The death certificate will be completed by the attending physician and the coroner will also complete his/her section of the death certificate. It shall be the Associate Warden of Operations' responsibility to ensure these documents are completed and accurate.

Following the completion of all required forms, the body will be released to the mortician. After the body has been loaded into the call car, the call car will exit through the maintenance gate. After a security inspection is completed the vehicle will exit NSP property.

Section VI.

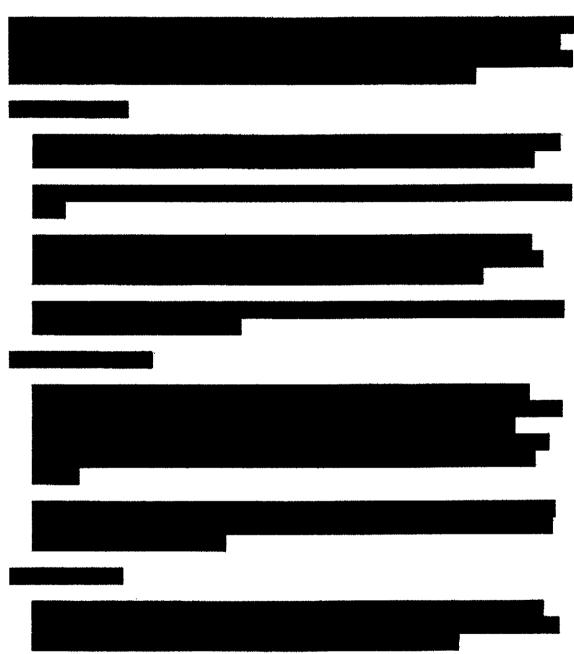
## EXTRA DUTY STATIONS AND SECURITY PLAN FOR THE EXECUTION OF THE DEATH PENALTY

The following plan of action has been designated to provide for complete security coverage of the Nevada State Prison during an execution of the death penalty.



#### Section VII.

#### INTERNAL CONTROL PLAN



#### Section VIII.

#### POST-EXECUTION PROCEDURE

Immediately following the execution of the death penalty, the body shall be removed and turned over to the attending mortician, following the procedures for the death of an inmate.

NOTE: In the event two or more executions are scheduled for the same day, a separate vehicle as outlined above will be required for each inmate.

All disposable equipment, including needles, tubing, etc., will be turned over to the prison pharmacist for proper disposal within one working day. If unavailable, then they will be secured in the NSP pharmacy until the next business day.

Unopened solutions or drugs will be turned over to the prison pharmacist for proper handling within one working day. If unavailable, then they will be secured in the NSP pharmacy until the next business day.

The disposition of all solutions is to be recorded, as to the amount used and the amount discarded. The number of solutions that were utilized will be recorded by volume, and those that were turned over to the pharmacist, will also be recorded by number and volume.

The security team will have the responsibility of cleaning the execution chamber.

All staff directly involved in the execution will meet in the Courthouse with the designated clergy members, at which time, a debriefing will be conducted as well as psych counseling will be provided.

It shall be the responsibility of the Associate Warden of Operations to release all of the officers on overtime status and the decision will be based on the situation, as he/she perceives it.

Section IX.

#### COMMUTATION OR STAY OF EXECUTION

It must be understood that once infusion of the lethal injection has begun that the execution cannot be stopped.

In the event of an eleventh hour stay of execution, all preparations will cease and the Director will be immediately notified by the Warden.

If the condemned inmate has already been taken to the execution chamber, he/she shall be returned to the last night cell and all personnel shall remain on duty until released by the Associate Warden of Operations.

The on-call Deputy Attorney General, if not present at the institution, shall be notified of the situation as soon as possible. The availability of the on-call Deputy Attorney General shall be coordinated by the AWP at NSP and the Chief Deputy of the Criminal Division of the Attorney General's office.

#### Section X.

#### SAMPLE OF FORMS USED DURING THE EXECUTION PROCESS

- A. Execution Checklist
- B. Execution Position Assignments
- C. Affidavit
- D. I.D. Department Identification Form
- E. Letters of Agreement Medical Services
- F. Telephone Logs
- G. Radio communications Assignment Memo [redacted]
- H. Report and Schedule of Execution, Exhibit "A" (Time Keeper Checklist)
- I. Maps Nevada State Prison
  - Execution Chamber
  - NSP Parking Lot

# EXHIBIT 143

## EXHIBIT 143

#### No.03-6821

#### IN THE UNITED STATES SUPREME COURT

October Term, 2003

DAVID LARRY NELSON, Petitioner.

V\$.

DONAL CAMPBELL,
Commissioner of the Alabama Department of Corrections,
and
GRANTT CULLIVER,
Warden of William C. Holman Correctional Facility,
Respondents.

ON PETITION FOR WRIT OF CERTIORARI
TO THE UNITED STATES COURT OF APPEALS
FOR THE ELEVENTH CIRCUIT

BRIEF OF AMICI CURIAE IN SUPPORT OF PETITIONER

KATHRYN LOUISE LIPPERT Alabama Bar No. ASB-\$428-J64K Post Office Box 661111 Birmingham, Alabama 35266 Telephone (205) 426-3705 Fax Number (205) 426-3750

Counsel for Amici Curisc

### AMICI CURIAE

Dr. Laurie Dill Montgomery, Alabama

Dr. Frank J. Hogan Montgomery, Alabama

Dr. David W. Hode Seima, Alabama

Dr. Mark C. D. Mitchell Atmore, Alabama

Dr. Jane Mobley Birmingham, Alabema

Dr. William Winternitz Tuscaloosa, Alabama

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1	In the Supreme Court of the State of Nevada			
2	_			
3	WILLIAM P. CASTILLO,	No. 56176		
4	Petitioner,	Electronically Filed Feb 01 2011 08:46 a.m.		
5	vs.	Tracie K. Lindeman		
6 7	E.K. McDANIEL, Warden, Ely State Prison, CATHERINE CORTEZ MASTO, Attorney General for Nevada,			
8	Respondents.			
9	APPELLAN'	Γ'S APPENDIX		
10	Appeal from Order Denying Petition for			
11	Writ of Habeas Corpus (Post-Conviction)			
12	Eighth Judicial District Court, Clark County			
13	VOLUME 11 of 21			
14	FRANNY A. FORSMAN Federal Public Defender GARY A. TAYLOR Assistant Federal Public Defender Nevada Bar No. 11031C 411 East Bonneville Ave, Ste. 250 Las Vegas, Nevada 89101			
15				
16				
17				
18		(702) 388-6577 Counsel for Appellant		
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principles was "whether there is a reasonable likelihood that the jury has applied the challenged instruction in a way that prevents the consideration of constitutionally relevant evidence." Id., at 380, 110 S.Ct., at 1198; see also Johnson, supra, 509 U.S. at 367-368, 113 S.Ct., at 2669. In this case, the record clearly reflects that the jury found the State had established six aggravating circumstances beyond a reasonable doubt. The jurors were unequivocally instructed that no mitigating circumstance could outweigh any aggravator and that there had to be unanimous agreement or else a sentence of life must be imposed. Indeed, Defendant fails to demonstrate any reasonable likelihood that the jury misapplied the contested instruction and did not consider and weigh all mitigating circumstances.

Thus, there was no basis for an objection by trial counsel and indeed, appellate counsel's strategy to forego this claim on direct appeal was a sound tactical decision.

#### No submission of a special verdict form. C.

Defendant's final claim on this issue is that appellate counsel failed to raise the argument on direct appeal that trial counsel was ineffective for not submitting a special verdict form listing mitigating circumstances found by the jury. However, this claim likewise fails.

Defendant fails to cite any statutory or case law authority to support his contention that trial counsel's decision not to submit a special verdict form for the purpose of listing mitigating circumstances violated his Sixth Amendment guarantee to effective assistance of counsel. Indeed, this Court has held that the trial court is not obligated to grant a defendant's request for such a special verdict form and the sentencer in a capital penalty hearing is not constitutionally or statutorily required to make such specific findings. Servin v. State, 59 Nev. 262, 32 P.3d 1277, 1289 (2001) (citing, NRS 175.554(4); Rook v. Rice, 783 F.2d 401, 407 (4th Cir.1986)); see also Rogers v. State, 101 Nev. 457, 469, 705 P.2d 664, 672 (1985) (rejecting claim that district court erred by not providing jury with form or method for setting forth findings of mitigating circumstances).

Thus, trial counsel's performance can hardly be deemed to have fallen below the "reasonably effective" standard and as such, appellate counsel's decision to forego the claim on direct appeal was similarly reasonable.

#### VIII.

# THE CONSTITUTIONALITY OF NEVADA'S PROCEDURES FOR ADMISSION OF VICTIM IMPACT TESTIMONY IS BARRED BY LAW OF THE CASE

In ground VIII, Defendant alleges appellate counsel was ineffective for "failing to raise or assert all available arguments supporting constitutional issues raised" in his claim that Nevada's statutory scheme and case law fails to properly limit the introduction of victim impact testimony. However, this claim is barred by the doctrine of the law of the case and entirely belied by the record.

Where an issue has already been decided on the merits by this Court, the Court's ruling is law of the case, and the issue will not be revisited. *Pellegrini*, supra; see also, McNelton, supra; Hall, supra; Valerio, supra; Hogan, supra. The law of a first appeal is the law of the case in all later appeals in which the facts are substantially the same; this doctrine cannot be avoided by more detailed and precisely focused argument. Hall, supra; McNelton, supra; Hogan, supra.

In this case, on direct appeal, Defendant argued that the "cumulative and excess victim impact testimony should not have been allowed." This Court rejected the claim finding:

Questions of admissibility of testimony during the penalty phase of a capital trial are largely left to the trial judge's discretion and will not be disturbed absent an abuse of discretion. Rippo v. State, supra 113 Nev. at 1261, 946 P.2d at 1031 (citing Smith v. State, 110 Nev. 1094, 1106, 881 P.2d 649, 656 (1994)). A jury considering the death penalty may consider victim-impact evidence as it relates to the victim's character and the emotional impact of the murder on the victim's family. Id. (citing, Payne v. Tennessee, 501 (1991); Homick v. State, 108 Nev. 127, 136, 825 P.2d 600, 606 (1992); also NRS 175.552).

3 Q PARTILLATIWIPDOCS/SECRETARY/ERIEFANGWERIRIPO, MICHAEL, 4409Q C1067M DOC Five witnesses testified as to the character of the victims and the impact the victims' deaths had on the witnesses' lives and the lives of their families.

We conclude that each testimonial was individual in nature, and that the admission of the testimony was neither cumulative nor excessive. Thus, we conclude that the district court did not abuse its discretion in allowing all five witnesses to testify. Id.

Because this issue was raised and rejected on direct appeal, Defendant's complaint here appears to be that appellate counsel failed to "assert all available arguments" supporting this claim. However, it must be noted that Defendant merely sets forth various case law in his petition but he fails entirely to make any specific factual allegations indicating where he believes appellate counsel's argument on direct appeal fell short. As such, his bare allegations are not sufficient to entitle him to relief.

Defendant does appear to imply that appellate counsel should be faulted for failing to challenge the constitutionality of Nevada's death penalty scheme as failing to limit the introduction of victim impact testimony during the penalty phase proceedings. Clearly, this is the same issue appellate counsel did indeed raise on direct appeal only here Defendant dresses it up "in different clothing." See, Evans, supra.

However, even if the issue were validly raised in his instant petition, Defendant's claim that Nevada law fails to limit the admission of victim impact testimony lacks merit and as such, appellate counsel's strategy to limit the argument to the particular facts of Defendant's case was reasonable.

For instance, in rejecting Defendant's claim, this Court further noted:

Three of the witnesses referred to the brutal nature of the crime. Rippo, supra 113 Nev. at 1261, 946 P.2d at 1031. The State instructed the family members not to testify about how heinous the crimes were, and the district court apparently relied, in part, on these instructions in allowing the victim-impact testimony. Thus, the testimony, insofar as it described the nature of the victims' deaths went beyond the boundaries set forth by the State. Id. at 1262, 946 P.2d at 1031 (emphasis added).

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Thus, clearly Defendant's claim that Nevada's capital sentencing scheme imposes "no limits on the presentation of victim impact testimony" is wholly without merit. Therefore, even if appellate counsel had delved further into the issue, claiming unconstitutionality of the sentencing structure in its entirety, there was scant chance such a claim would have survived appellate review.

#### IX.

# THERE IS WELL-SETTLED PRECEDENT THAT NEVADA'S PREMEDITATION AND DELIBERATION INSTRUCTION IS CONSTITUTIONAL

In ground IX, Defendant alleges the "stock jury instruction given in this case defining premeditation and deliberation necessary for first degree murder" was constitutionally violative. Defendant contends that appellate counsel was ineffective for declining to raise the issue on direct appeal. However, Defendant's claim is without merit because based on well-settled precedent, there was no reasonable probability of success.

The contested instruction stated:

Premeditation is a design, a determination to kill, distinctly formed in the mind at any moment before or at the time of the killing. Premeditation need not be for a day, an hour or even a minute. It may be instantaneous as successive thoughts of the mind. For if a jury believes from the evidence that the act constituting the killing had been preceded by and has been the result of premeditation, no matter how rapidly the premeditation is followed by the act constituting the killing, it is willful, deliberate and premeditated murder.

As Defendant correctly points out, in *Byford*, supra, the propriety of a *Kazalyn*<sup>11</sup> instruction was addressed. While this Court rejected the argument as a basis for any relief for the defendant ("We conclude that the evidence in this case is clearly sufficient to establish deliberation and premeditation on Byford's part.") this Court

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<sup>11</sup> Kazalyn v. State, 108 Nev. 67, 825 P.2d 578 (1992).

recognized that the instruction itself raised a "legitimate concern." *Byford*, supra, 116 Nev. at 233, 994 P.2d at 712. The *Byford* Court stated:

The Kazalyn instruction and some of this court's prior opinions have underemphasized the element of deliberation. The neglect of "deliberate" as an independent element of the mens rea for first-degree murder seems to be a rather recent phenomenon. Before Kazalyn, it appears that "deliberate" and "premeditated" were both included in jury instructions without being individually defined but also without "deliberate" being reduced to a synonym of "premeditated." See, e.g., State of Nevada v. Harris, 12 Nev. 414, 416 (1877); Scott v. State, 92 Nev. 552, 554 n. 2, 554 P.2d 735, 737 n. 2 (1976). We did not address this issue in our Kazalyn decision, but later the same year, this court expressly approved the Kazalyn instruction, concluding that "deliberate" is simply redundant to "premeditated" and therefore requires no discrete definition. See Powell v. State, 108 Nev. 700, 708-10, 838 P.2d 921, 926-27 (1992), vacated on other grounds by 511 U.S. 79, 114 S.Ct. 1280 (1994). Citing Powell, this court went so far as to state that "the terms premeditated, deliberate and willful are a single phrase, meaning simply that the actor intended to commit the act and intended death as the result of the act." Greene v. State, 113 Nev. 157, 168, 931 P.2d 54, 61 (1997). We conclude that this line of authority should be abandoned. By defining only premeditation and failing to provide deliberation with any independent definition, the Kazalyn instruction blurs the distinction between first- and second-degree murder. Id. at 234-35, 994 P.2d at 713.

This court then proceed to set forth instructions for use by the district courts in cases where defendants are charged with first-degree murder based on willful, deliberate, and premeditated killing. *Id.* at 236, 994 P.2d at 714.

Now, Defendant appears to argue that even though at the time of his penalty hearing, *Kazalyn* and its progeny were valid authority, appellate counsel was nonetheless ineffective for failing to raise an issue that even this Court acknowledged had been inconsistently interpreted and applied. *Id.* at 235, 994 P.2d at 713. However, the *Byford* court made two specific findings which defy Defendant's claim.

First, under *Byford*, even an improper instruction will not justify reversal when the evidence of guilt is overwhelming and second, the holding is to be applied prospectively only. *Id.* at 233, 994 P.2d at 712; see also Bridges v. State, 116 Nev. 752, 762-63, 6 P.3d 1000, 1008 (2000); Leonard v. State, 117 Nev. 53, 74-76, 17 P.3d

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397, 410 - 412 (2001); Garner, supra, 116 Nev. at 789, 6 P.3d at 1025, (overruled on other grounds by Sharma v. State, 118 Nev. 648, 56 P.3d 868 (2002)); Evans, supra.

Thus, because the evidence of Defendant's guilt was overwhelming (see Rippo, supra, 113 Nev. at 1255, 946 P.2d at 1027) even if appellate counsel had raised the issue, like the defendant in Byford, the claim would not have warranted relief. Moreover, because Defendant's appeal was dismissed well before the Byford ruling, he could not have benefited from this Court's ruling in any case. Defendant's claim that appellate counsel was ineffective for failing to raise this issue on direct appeal is without merit and should be dismissed.

X.

## THIS COURT'S APPELLATE REVIEW OF DEATH PENALTY CASES IS CONSTITUTIONAL

In ground X, Defendant alleges that appellate counsel was ineffective for failing to raise on appeal or assert all available arguments supporting his contention that "the opinion affirming RIPPO's conviction and sentence provides no indication that the mandatory review was fully and properly conducted in this case."

This claim is frivolous. There is absolutely no basis in either law or fact to support an allegation that appellate counsel was deficient for not raising on direct appeal this Court's alleged inadequate review of his direct appeal.

XI.

## THE RACIAL COMPOSITION OF DEFENDANT'S JURY WAS CONSTITUTIONAL

In ground XI, Defendant claims that appellate counsel was ineffective because he failed to raise what he characterizes as the unconstitutional racial composition of the jury. Clearly, this claim lacks merit because it had virtually no chance of success on appeal.

Both the Fourteenth and the Sixth Amendments to the United States Constitution guarantee a defendant the right to a trial before a jury selected from a

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representative cross-section of the community. Evans v. State, supra; Holland v. Illinois, 493 U.S. 474, 110 S.Ct. 803 (1990); Taylor v. Louisiana, 419 U.S. 522, 95 S.Ct. 692 (1975). "The fair-cross-section requirement mandates that 'the jury wheels, pools of names, panels, or venires from which juries are drawn must not systematically exclude distinctive groups in the community and thereby fail to be reasonably representative thereof." Id. (quoting Taylor, supra, at 702). However, there is "no requirement that petit juries actually chosen must mirror the community and reflect the various distinctive groups in the population." Id. (quoting, Holland, supra at 808).

The standard for a race-based challenge to the composition of a jury pool under the Sixth Amendment was set by the United States Supreme Court in Duren v. Missouri, 439 U.S. 357 (1979). To show a prima facie violation of the Constitution's fair cross-section requirement in selecting a jury pool: the defendant must show (1) that the group alleged to be excluded is a "distinctive" group in the community; (2) that the representation of this group in venires from which juries are selected is not fair and reasonable in relation to the number of such persons in the community; and (3) that this under representation is due to systematic exclusion of the group in the jury- selection process. Id. at 364. A "jury selection violates the Sixth Amendment or the due process and equal protection clauses of the Fourteenth Amendment only if it can be shown that members of the appellant's race were excluded systematically from jury duty. '(P)urposeful discrimination may not be assumed or merely asserted." Bishop v. State, 92 Nev. 510, 515, 554 P.2d 266, 270 - 270 (1976) (quoting Swain v. Alabama, 380 U.S. 202, 205, 85 S.Ct. 824, 827 (1965). Such discrimination must be proved. Id. (citing, Tarrance v. Florida, 188 U.S. 519, 23 S.Ct. 402 (1903)). The federal courts have repeatedly held that the use of voter registration lists to compile the jury pool is constitutionally acceptable. See e.g., Taylor v. Louisiana, 419 U.S. 522 (1975); Watkins v. Commonwealth, 385 S.E.2d 50, 53 (Va. 1989); United

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States v. Lewis, 10 F.3d 1086, 1089-90 (4th Cir. 1993); People v. Sanders, 797 P.2d 561 (Cal. 1990)(overruling People v. Harris, 679 P.2d 433 (Cal. 1984)).

Defendant's claim here fails first because it must be the jury pool not the individual jury that is representative of a fair cross section of the community, the fact that Defendant's particular jury was entirely Caucasian does not support a prima facie constitutional violation. Similarly, the county-wide practice of comprising jury pools using voter registration rolls has been a long-standing constitutionally acceptable practice. Moreover, Defendant's claim that the county fails to follow up on the jury summons process hardly demonstrates "purposeful discrimination"; indeed, it is highly doubtful "individuals who move fairly frequently or are too busy trying to earn a living" would be considered a "distinctive" group for purposes of Sixth Amendment analysis and able to withstand constitutional scrutiny.

Therefore, Defendant's claim of ineffective assistance of counsel is unfounded.

#### XII.

#### NEVADA'S CAPITAL SENTENCING STATUTE PROPERLY NARROWS THE CATEGORIES OF DEATH ELIGIBLE DEFENDANTS

Defendant's final claim in ground XII is that appellate counsel was ineffective for failing to raise or completely assert the argument that Nevada's capital sentencing statute, NRS 200.033, fails to properly narrow the categories of death eligible defendants. However, as with Defendant's other claims, there was no reasonable probability this claim would have succeeded on appeal.

NRS 200.033 provides:

The only circumstances by which murder of the first degree may be aggravated are:

- 1. The murder was committed by a person under sentence of imprisonment.
- 2. The murder was committed by a person who, at any time before a penalty hearing is conducted for the murder pursuant to NRS 175.552, is or has been convicted of:

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a. Another murder and the provisions of subsection 12 do not otherwise apply to that other murder; or

b. A felony involving the use or threat of violence to the person of another and the provisions of subsection 4 do not otherwise apply to that felony. For the purposes of this subsection, a person shall be deemed to have been convicted at the time the jury verdict of guilt is rendered or upon pronouncement of guilt by a judge or judges sitting without a jury.

- The murder was committed by a person who knowingly created a great risk of death to more than one person by means of a weapon, device or course of action which would normally be hazardous to the lives of more than one person.
- 4. The murder was committed while the person was engaged, alone or with others, in the commission of, or an attempt to commit or flight after committing or attempting to commit, any robbery, arson in the first degree, burglary, invasion of the home or kidnapping in the first degree, and the person charged:

  a. Killed or attempted to kill the person murdered; or b. Knew or had reason to know that life would be taken or lethal force used.

- The murder was committed to avoid or prevent a lawful arrest or to effect an escape from custody.
- 6. The murder was committed by a person, for himself or another, to receive money or any other thing of monetary value.
- 7. The murder was committed upon a peace officer or fireman who was killed while engaged in the performance of his official duty or because of an act performance or his official duty or because of an act performed in his official capacity, and the defendant knew or reasonably should have known that the victim was a peace officer or fireman. For the purposes of this subsection, "peace officer" means:

  a. An employee of the Department of Corrections who does not exercise general control over offenders imprisoned within the institutions and facilities of the Department, but whose pormal duties require him to

Department, but whose normal duties require him to come into contact with those offenders when carrying out the duties prescribed by the Director of the Department.

b. Any person upon whom some or all of the powers of a peace officer are conferred pursuant to NRS 289.150 to 289.360, inclusive, when carrying out those powers.

8. The murder involved torture or the mutilation of the

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The murder was committed upon one or more persons at random and without apparent motive.

- 10. The murder was committed upon a person less than 14
- 11. The murder was committed upon a person because of the actual or perceived race, color, religion, national origin, physical or mental disability or sexual orientation of that person.
- 12. The defendant has, in the immediate proceeding, been convicted of more than one offense of murder in the first or second degree. For the purposes of this subsection, a person shall be deemed to have been subsection of a person shall be deemed to have been subsection. convicted of a murder at the time the jury verdict of guilt is rendered or upon pronouncement of guilt by a judge or judges sitting without a jury.

13. The person, alone or with others, subjected or attempted to subject the victim of the murder to nonconsensual sexual penetration immediately before, during or immediately after the commission of the

during or immediately after the commission of the murder. For the purposes of this subsection:

a. "Nonconsensual" means against the victim's will or under conditions in which the person knows or reasonably should know that the victim is mentally or physically incapable of resisting, consenting or understanding the nature of his conduct, including, but not limited to, conditions in which the person knows or reasonably should know that the victim is dead

- b. "Sexual penetration" means cunnilingus, fellatio or any intrusion, however slight, of any part of the victim's body or any object manipulated or inserted by a person, alone or with others, into the genital or anal openings of the body of the victim, whether or not the victim is alive. The term includes, but is not limited to, anal intercourse and sexual intercourse in what would be its ordinary meaning.
- 14. The murder was committed on the property of a public or private school, at an activity sponsored by a public or private school or on a school bus while the bus was engaged in its official duties by a person who intended to create a great risk of death or substantial bodily harm to more than one person by means of a weapon, device or course of action that would normally be hazardous to the lives of more than one person. For the purposes of this subsection, "school bus" has the meaning ascribed to it in NRS 483.160.
- 15. The murder was committed with the intent to commit, cause, aid, further or conceal an act of terrorism. For the purposes of this subsection, "act of terrorism" has the meaning ascribed to it in NRS 202.4415.

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Defendant does not point to any particular portion of the statute he finds objectionable, but rather, asserts, "[t]he factors listed in NRS 200.033, individually and in combination fail to guide the sentencer's discretion and create an impermissible risk of vaguely defined, arbitrarily and capriciously selected individuals upon whom death is imposed." (Appellant's Opening Brief, pages 44-45). Defendant claims further that "[i]t is difficult, if not impossible, under the factors of NRS 200.033 for the perpetrator of a First Degree Murder not to be eligible for the death penalty at the unbridled discretion of the prosecutor." (Id.) However, even under this sweeping allegation, Defendant's claim that appellate counsel was ineffective for failing to raise this issue on direct appeal fails.

This Court has specifically held that these statutory aggravators, even "in combination," properly narrow the class of persons eligible for the death penalty. Gallego v. State supra, 117 Nev. at 370, 23 P.3d at 242 (2001); See also, Bennett v. State, 106 Nev. 135, 787 P.2d 797 (1990)(NRS 200.033 subdivision 4 is not constitutionally overbroad or arbitrary<sup>12</sup>); Smith v. State, 114 Nev. 33, 953 P.2d 264 (1998) (subdivision 8 is not constitutionally vague and ambiguous); Cambro v. State, 114 Nev. 106, 952 P.2d 946 (1998) and Geary v. State, 112 Nev. 1434, 930 P.2d 719 (1996) (subdivision 9 is not constitutionally vague); Leslie v. Warden, 59 P.3d 440 (2002)(Defense counsel was not deficient in failing to argue that "at random and without apparent motive" aggravator was not supported by evidence in penalty phase of defendant's murder trial, where Supreme Court had consistently upheld that aggravator when, as in defendant's case, killing was unnecessary to complete robbery, and defense counsel, knowing that Supreme Court was required to independently review all aggravating circumstances, may have chosen to focus on issues more likely to yield results).

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<sup>&</sup>lt;sup>12</sup> One of the six aggravating factors the jury in this case found to be established beyond a reasonable doubt was pursuant to subdivision 4.

 Defendant relies upon two United States Supreme Court cases to bolster his contention. However, neither of these cases provides sufficient support for Defendant's claim.

In Godfrey v. Georgia, 446 U.S. 420, 100 S.Ct. 1759 (1980), the jury imposed two sentences of death on the defendant. As to each, the jury specified that the single aggravating circumstance they had found beyond a reasonable doubt was "that the offense of murder was outrageously or wantonly vile, horrible and inhuman." Id. at 426, 100 S.Ct, 1759, 1764. The Court held the aggravator violated the Eighth and Fourteenth Amendments. Id. at 428-28, 1765. The Court reasoned there was nothing in the words "outrageously or wantonly vile, horrible or inhuman," standing alone that implied any inherent restraint on the arbitrary and capricious infliction of a death sentence. Id.

In Stringer v. Black, 503 U.S. 222, 112 S.Ct. 1130 (1992), after finding the defendant guilty of capital murder, a Mississippi jury, in the sentencing phase of the case, found that there were three statutory aggravating factors. One of these was the murder was "especially heinous, atrocious or cruel," which had not been otherwise defined in the trial court's instructions. Id. at 225-26, 112 S.Ct. 1130, 1134. The Court reversed the defendant's conviction. Id. at 227, 112 S.Ct. at 1135. Although the Court's decision was founded wholly on other grounds, it noted the unconstitutionality of the vague aggravating factor was implicit in the Court's opinion. Id. at 235, 112 S.Ct. at 1139.

Although Defendant does not specifically mention Maynard v. Cartwright, 486 U.S. 356, 108 S.Ct. 1853 (1988), that Court similarly held that the language of an Oklahoma statute with an aggravating circumstance which read, "especially heinous, atrocious, or cruel" gave no more guidance than the "outrageously or wantonly vile, horrible or inhuman" language that the jury returned in its verdict in Godfrey. Id. at 363-64, 108 S.Ct. 1853, 1859.

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Clearly, the Nevada statute does not employ any such vague or overly broad language. On the contrary, in *Gregg v. Georgia*, 428 U.S. 153, 96 S.Ct. 2909 (1976)<sup>13</sup>, the United States Supreme Court upheld a Georgia sentencing scheme with nearly the identical language as Nevada's, even when the defendant attacked each and every aggravator individually and specifically. In upholding the sentencing statute, the Court in *Gregg* stated:

While there is no claim that the jury in this case relied upon a vague or overbroad provision to establish the existence of a statutory aggravating circumstance, the petitioner looks to the sentencing system as a whole (as the Court did in *Furman* and we do today) and argues that it fails to reduce sufficiently the risk of arbitrary infliction of death sentences. Specifically, Gregg urges that the statutory aggravating circumstances are too broad and too vague .... Id. at 200, 96 S.Ct. at 2938.

Defendant here attempts to engage the same tactic as the defendant in *Gregg*. Indeed, his claim similarly fails. Clearly there is no support for his claim that the Nevada statute fails to limit the categories of death-eligible defendants to such a degree that would warrant constitutional relief. As such, his claim of effective assistance of appellate counsel must likewise fail because counsel was prudent to forego this claim in lieu of others with a far greater probability of success.

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<sup>13</sup> In his petition Defendant cites only to the dissenting opinion at 428 U.S. 238, 92 S.Ct. 2726 (1972).

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iz C	Ď	2	CONCLUSION	
	Î >	3	Defendant has not shown why the district court's findings were in error. Based	l
E	7	4	on the afterentioned arguments, the State respectfully requests that the Online	
þ	<u>,                                    </u>	5	belying Detendant's Petition for Writ of Habeas Corpus be affirmed.	
	>	6	Dated this 17th day of June, 2005.	
3	) )	7	Respectfully submitted,	
14	)	8	DAVID ROGER Clark County District Attorney Nevada Bar # 002781	
		9	Nevada Bar # 002781	
		10	BY THUS DUID	
	]	11	STEVENS OWENG	
	1	12	Chief Deputy District Attorney Nevada Bar #00004352	
	I	13	Office of the Clark County District Attorney	
		4	Office of the Clark County District Attorney Clark County Courthouse 200 South Third Street, Suite 701 Post Office Box 552212	
		5	Las Vegas, Nevada 89155-2212 (702) 455-4711	
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CERTIFICATE OF COMPLIANCE

I hereby certify that I have read this appellate brief, and to the best of my knowledge, information, and belief, it is not frivolous or interposed for any improper purpose. I further certify that this brief complies with all applicable Nevada Rules of Appellate Procedure, in particular NRAP 28(e), which requires every assertion in the brief regarding matters in the record to be supported by appropriate references to the record on appeal. I understand that I may be subject to sanctions in the event that the accompanying brief is not in conformity with the requirements of the Nevada Rules of Appellate Procedure.

Dated this 17th day of June, 2005.

Respectfully submitted,

DAVID ROGER Clark County District Attorney Nevada Bar #002781

BY

STEVEN S. OWENS
Chief Deputy District Attorney
Nevada Bar #00004352
Office of the Clark County District Attorney
Clark County Courthouse
200 South Third Street, Suite 701
Post Office Box 552212
Las Vegas Nevada 20155 2212 Las Vegas, Nevada 89155-2212 (702) 435-4711

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## EXHIBIT 140

## EXHIBIT 140

## IN THE SUPREME COURT OF THE STATE OF NEVADA

MICHAEL RIPPO.

Appellant,

VS.

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THE STATE OF NEVADA.

Respondent.

S.C. CASE NO. 44094

FILED

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APPEAL FROM DENIAL OF PETITION FOR WRIT OF HABEAS CORPUS
(POST-CONVICTION)
EIGHTH JUDICIAL DISTRICT COURT
THE HONORABLE DONALD M. MOSLEY, PRESIDING

### APPELLANT'S REPLY BRIEF

#### ATTORNEY FOR APPELLANT CHRISTOPHER R. ORAM, ESQ. Attorney at Law Nevada Bar No. 004349 520 S. Fourth Street, 2nd Floor Las Vegas, Nevada 89101 Telephone: (702) 384-5563

ATTORNEY FOR RESPONDENT

DAVID ROGER
District Attorney
Nevada Bar No. 002781
200 S. Third Street, 7th Floor
Las Vegas, Nevada 89155
Telephone: (702) 455-4711

BRIAN SANDOVAL
Nevada Attorney General
Nevada Bar No. 0003805
100 North Carson Street
Carson City, Nevada 89701-4717

OH+ 2 8 2005

## IN THE SUPREME COURT OF THE STATE OF NEVADA

MICHAEL RIPPO.

S.C. CASE NO. 44094

Appellant,

VS.

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THE STATE OF NEVADA.

Respondent.

APPEAL FROM DENIAL OF PETITION FOR WRIT OF HABEAS CORPUS (POST-CONVICTION) EIGHTH JUDICIAL DISTRICT COURT THE HONORABLE DONALD M. MOSLEY, PRESIDING

### APPELLANT'S REPLY BRIEF

#### ATTORNEY FOR APPELLANT CHRISTOPHER R. ORAM, ESQ.

Attorney at Law Nevada Bar No. 004349 520 S. Fourth Street, 2nd Floor Las Vegas, Nevada 89101 Telephone: (702) 384-5563

### ATTORNEY FOR RESPONDENT

**DAVID ROGER** District Attorney Nevada Bar No. 002781 200 S. Third Street, 7th Floor Las Vegas, Nevada 89155 Telephone: (702) 455-4711

#### **BRIAN SANDOVAL** Nevada Attorney General Nevada Bar No. 0003805 100 North Carson Street Carson City, Nevada 89701-4717

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5	Evans v. State, 117 Nev. Ad. Op. 50 (2002)
6 7	Ford v. State, 99 Nev. 209, 215, 660 P.2d 992, 995 (1983)
8	Franklin v. Nevada, 98 Nev. 266,646P.2d 543 (1982)
9	Gallego v. State, 101 Nev. 782, 711 P.2d 856 (1995)
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L	ockett v. Ohio, 438 US 586, 98 S.Ct 2954, 57 L.Ed. 2d 973 (1978)
<u>P</u>	arker v. Duacer, 498 US 308, 111 S.Ct 731, 112 L.Ed.2d 812 (1991)
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## ISSUES PRESENTED FOR REVIEW

- RIPPO'S SENTENCE IS INVALID UNDER THE STATE AND FEDERAL I, CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE THE JURY WAS ALLOWED TO USE OVERLAPPING AGGRAVATING CIRCUMSTANCES IN IMPOSING THE DEATH PENALTY. UNITED STATES CONSTITUTION AMENDMENTS 5, 6, 8, AND 14; NEVADA CONSTITUTION ARTICLE I, SECTIONS 3, 6 AND 8; ARTICLE IV, SECTION
- 11. RIPPO'S CONVICTION AND SENTENCE ARE INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE RIPPO WAS NOT AFFORDED EFFECTIVE ASSISTANCE OF COUNSEL ON DIRECT APPEAL. CONSTITUTION AMENDMENTS 5, 6, 8, AND 14; NEVADA CONSTITUTION ARTICLE L SECTIONS 3, 6 AND 8; ARTICLE IV. SECTION 21,
- TRIAL COUNSEL WOLFSON INSISTED THAT RIPPO WAIVE HIS RIGHT TO HI. SPEEDY TRIAL AND THEN ALLOWED THE CASE TO LANGUISH FOR 46 MONTHS BEFORE PROCEEDING TO TRIAL.
- THE PERFORMANCE OF TRIAL COUNSEL DURING THE GUILT PHASE OF IV. THE TRIAL FELL BELOW THE STANDARD OF REASONABLY EFFECTIVE COUNSEL IN THE FOLLOWING RESPECTS:
  - Failure to Object to the Use of a Prison Photograph of Rippo as Being а. Irrelevant, Unduly Prejudicial and Evidence of Other Bad Acts.
- V. THE PERFORMANCE OF TRIAL COUNSEL DURING THE PENALTY PHASE OF THE TRIAL FELL BELOW THE STANDARD OF REASONABLY EFFECTIVE COUNSEL IN THE FOLLOWING RESPECTS:
  - Failure to Object to Unconstitutional Jury Instructions at the Penalty Hearing (2.) That Did Not Define and Limit the Use of Character Evidence by the Jury. (b)
  - Failure to Offer Any Jury Instruction with Rippo's Specific Mitigating Circumstances and Failed to Object to an Instruction That Only Listed the Statutory Mitigators and Failed to Submit a Special Verdict Form Listing Mitigatating Circumstances Found by the Jury. O).
  - Failure to Argue the Existence of Specific Mitigating Circumstances During Closing Argument at the Penalty Hearing or the Weighing Process Necessary Before the Death Penalty Is Even an Option for the Jury. (d),
  - Failure to Object to Improper Closing Argument at the Penalty Hearing. (e)
  - Trial Counsel Failed to Move to Strike Two Aggravating Circumstances That Were Based on Invalid Convictions.

VI.	THE INSTRUCTION GIVEN AT THE PROPERTY.
	THE INSTRUCTION GIVEN AT THE PENALTY HEARING FAILED TO
	APPRAISE JURY OF THE PROPER USE OF CHARACTER EVIDENCE AND AS SUCIL THE IMPOSITION OF THE DEATH PENAL TYPING FAILED TO
	SUCH THE IMPOSITION OF THE DEATH PENALTY WAS ARBITRARY NOT BASED ON VALID WEIGHING OF ACCRAYATING
	BASED ON VALID WEIGHING OF AGGRAVATING AND MITIGATING
	CIRCUMSTANCES IN VIOLATION OF THE FIFTH, SIXTH, EIGHTH AND FOURTEENTH AMENDMENTS TO THE CONSTITUTION
	FOURTEENTH AMENDMENTS TO THE CONSTITUTION.

- VII. RIPPO'S SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARNTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE THE JURY WAS NOT INSTRUCTED ON SPECIFIC MITIGATING CIRCUMSTANCES BUT RATHER ONLY GIVEN THE STATUTORY LIST AND THE JURY WAS NOT GIVEN A SPECIAL VERDICT FONT TO LIST MITIGATING CIRCUMSTANCES. UNITED STATES CONSTITUTION AMENDMENTS 5, 6, 8, AND 14; NEVADA CONSTITUTION ARTICLE I, SECTIONS 3, 6 AND 8; ARTICLE IV, SECTION 21.
- VIII. RIPPO'S SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE THE NEVADA STATUTORY SCHEME AND CASE LAW FAILS TO PROPERLY LIMIT THE INTRODUCTION OF VICTIM IMPACT TESTIMONY AND THEREFORE VIOLATES THE PROHIBITION AGAINST CRUEL AND UNUSUAL PUNISHMENT IN THE EIGHTH AMENDMENT AND FURTHER VIOLATES THE RIGHT TO A FAIR AND NON-ARBITRARY SENTENCING PROCEEDING AND DUE PROCESS OF LAW UNDER THE 14TH AMENDMENT, UNITED STATES CONSTITUTION AMENDMENTS 5, 6, 8, AND 14; NEVADA CONSTITUTION ARTICLE I, SECTIONS 3, 6 AND 8; ARTICLE IV, SECTION 21.
- IX. THE STOCK JURY INSTRUCTION GIVEN IN THIS CASE DEFINING PREMEDITATION AND DELIBERATION NECESSARY FOR FIRST DEGREE MURDER AS "INSTANTANEOUS AS SUCCESSIVE THOUGHTS OF THE MIND" INSTRUCTION VIOLATED THE CONSTITUTIONAL GUARANTEES OF DUE PROCESS AND EQUAL PROTECTION, WAS VAGUE AND RELIEVED THE STATE OF IT'S BURDEN OF PROOF ON EVERY ELEMENT OF THE CRIME. UNITED STATES CONSTITUTION AMENDMENTS 5. 6.48, AND 14: NEVADA CONSTITUTION ARTICLE I, SECTION 5. 6.8. AND 14: ARTICLE IV. SECTION 21.
- X. RIPPO'S CONVICTION AND SENTENCE INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, AND RELIABLE SENTENCE DUE TO THE FAILURE OF This Court TO CONDUCT FAIR AND ADEQUATE APPELLATE REVIEW. UNITED STATES CONSTITUTION AMENDMENTS 5, 6, 8, AND 14: NEVADA CONSTITUTION ARTICLE T, SECTIONS 3, 6 AND 8; ARTICLE IV.

SECTION 21.

- XI. RIPPO'S CONVICTION AND SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEES OF DUE PROCESS, EQUAL PROTECTION, IMPARTIAL JURY FROM CROSS-SECTION OF THE COMMUNITY, AND RELIABLE DETERMINATION DUE TO THE TRIAL. CONVICTION AND SENTENCE BEING IMPOSED BY A JURY FROM WHICH AFRICAN AMERICANS AND OTHER MINORITIES WERE SYSTEMATICALLY EXCLUDED AND UNDER REPRESENTED. UNITED STATES CONSTITUTION AMENDMENTS 5, 6, 8, AND 14; NEVADA CONSTITUTION ARTICLE T, SECTIONS 3, 6 AND 8; ARTICLE IV, SECTION 21.
- XII. RIPPO'S SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE THE NEVADA STATUTORY SCHEME AND CASE LAW WITH RESPECT TO THE AGGRAVATING CIRCUMSTANCES ENUNCIATED IN NRS 200.033 FAIL TO NARROW THE CATEGORIES OF DEATH ELIGIBLE DEFENDANTS.

## STATEMENT OF THE CASE

Appellant hereby adopts the statement of the facts as annunciated in Appellant's Opening Brief.

## STATEMENT OF FACTS

Appellant hereby adopts the statement of the facts as annunciated in Appellant's Opening Brief.

### **ARGUMENT**

I. RIPPO'S SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE THE JURY WAS ALLOWED TO USE OVERLAPPING AGGRAVATING CIRCUMSTANCES IN IMPOSING THE DEATH PENALTY. UNITED STATES CONSTITUTION AMENDMENTS 5, 6, 8, AND 14: NEVADA CONSTITUTION ARTICLE I, SECTIONS 3, 6 AND 8; ARTICLE IV, SECTION 21,

After the penalty phase, the jury sentenced Mr. Rippo to death finding six aggravating circumstances. The aggravating circumstances relevant for purposes of this issue are 1) the

In the State's Answering brief, the State argues that this issue is barred by the law of the case doctrine (State's Answering Brief, pp. 5). The State correctly points out that this argument was in fact raised on direct appeal. However, the Court can take notice that the McConnell decision was not decided at the time of Mr. Rippo's direct appeal. Additionally, the State argues that this issue was not briefed in the Defendant's Petition for Writ of Habeas Corpus in the district court below (State's Answering Brief, pp. 6). The State's argument is inaccurate. In fact, on August 8, 2002, Supplemental Points and Authorities in Support of the Petition for Writ of Habeas Corpus were filed on behalf of Mr. Rippo. Originally, Mr. David Schieck was appointed to represent Mr. Rippo in his Post-Conviction Relief. In the Supplemental Brief, Mr. Schieck wrote

Mr. Rippo was also found to have committed murder that involved torture. This Court held on direct appeal there was sufficient evidence to find that the murder involved torture. Therefore, this aggravator had already been deemed to be valid.

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Rippo as part of his Supplemental Petition, herein, reasserts that the death penalty was returned in violation of the Eighth and Fourteenth Amendment right to a fair sentencing proceedings and one not arbitrary and capricious in its use. (See, Supplemental Brief (A.A. VOL, I, pp. 031).

The State is correct when they argue that Mr. Rippo did not extensively brief the McConnell decision in the Writ of Habeas Corpus. However, Mr. Rippo clearly reasserted this issue for Post-Conviction Relief purposes. Hence, the State's argument that this issue was not briefed in the petition below is inaccurate. Mr. Rippo would respectfully request that this Court revisit this issue based upon McConnell v. State.

The State was permitted at the penalty phase to double count the same conduct in accumulating three aggravating circumstances(S.A., Vol. 17, pp. 3191-392). The robbery, burglary and kidnapping aggravating circumstances are all based on the same set of operative facts and unfairly accumulated to compel the jury towards the death penalty. Additionally, the aggravators for under sentence of imprisonment and prior conviction of a violent felony both arose from the same 1982 sexual assault conviction. In McConnell, this Court concluded that,

The interpretation of our death penalty statutes that we now embrace will provide a more certain framework within which prosecutors statewide may exercise their very important discretion in these matters, and will provide greater certainty and fairness of application within the trial, appellate, and federal court systems. 102 P.3d. 606, 627.

This Court's conclusion provides the Court's concern that there be greater certainty and fairness in the application of the death penalty within the trial, appellate, and federal court systems. It therefore comes to reason that this Court was concerned about the entire weighing process of aggravators whether or not the defendant is at trial, on appeal, or in habeas review in the federal court system. Mr. Rippo raised this issue on direct appeal and reasserted the issue at post-

This Court ruled in McConnell, that Nevada's definition of capital murder did not narrow enough and that the further narrowing of the death penalty eligibility in needed. Further, this Court stated that the aggravator does not provide sufficient narrowing to satisfy constitutional requirements.

The McConnell Court stated, "[N]evada's statutes defines felony murder broadly." Under NRS 200.030(1)(d), felony murder is "one that is committed in the perpetration or attempted perpetration of sexual assault, kidnapping, arson, robbery, burglary, invasion of the home, sexual abuse of a child, sexual molestation under the age under 14, or child abuse." Further, in Nevada, all felony murder is first degree murder, and all first degree murder is essentially capital murder. Felony murder in Nevada does not even require the intent to kill or inflict great bodily harm. In Nevada, the intent simply to commit the underlying felony is transferred to the implied malice necessary to characterize the death be murder. Ford v. State, 99 Nev. 209, 215, 660 P.2d 992,995 (1983).

The McConnell Court noted, "[N]evada's current definition Nevada's current definition of felony murder is broader than the definition in 1972 when Furman v. Georgia, 408 U.S. 238, 92 S.Ct. 2726, 33 L.ed 2d 346, which temporarily ended executions in the United States."

This Court further stated that, Nevada's definition of felony murder does not afford constitutional narrowing. The ultimate holding in <a href="McConnell">McConnell</a> is that this Court "deemed it impermissible under the United States and Nevada Constitution to place an aggravating circumstance in a capital prosecution on the felony on which the felony murder is predicated." Based upon <a href="McConnell">McConnell</a>, it was impermissible for the State to charge Mr. Rippo with felony capital murder because the State based the aggravating circumstances in a capital prosecution on two of those felonies upon which the State's felony murder is predicated. <a href="McConnell">McConnell</a>, further, held that,

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in cases like Mr. Rippo's, "where the State bases a first degree murder conviction in whole or part of felony murder, to seek a death sentence the State will have to prove an aggravator other than one based on the felony murder predicate felony." McConnell v. State, at 624.

In the instant case, the State was successful in obtaining a death sentence against Mr. Rippo on three aggravating circumstances that would not be permitted pursuant to the <u>McConnell</u> decision. As this Court instructed in <u>McConnell</u>, the State would have to give the jury a special verdict form to determine whether they found Mr. Rippo guilty of premeditated and deliberate murder or whether they found Mr. Rippo guilty of First Degree Murder based upon the felony murder rule. Unfortunately, no one can answer this question. Mr. Rippo is sentenced to death after the jury found three aggravating circumstances that were clearly a result of inappropriate stacking(S.A., Vol. 17, pp. 3191-392),

Additionally, two aggravating circumstances against Mr. Rippo were found as a result of the same actions. One aggravator came as a result of Mr. Rippo being under sentence of imprisonment and another aggravator was that he had prior conviction (the same conviction) of a violent felony which arose from the same 1982 sexual assault conviction.

The Double Jeopardy Clause of the Fifth Amendment guarantees that no person shall "be subject for the same offense to be twice put in jeopardy of life or limb." The traditional test of the "same offense" for double jeopardy purposes is whether one offense requires proof of an element which the other does not. <u>Bockburaer v. U.S.</u>, 284 U.S. 299, 304 (1932). This test, does not apply, however, when one offense is an incident of another; that is, when one of the offenses is a lesser included of the other. <u>U.S. v. Dixon</u>, 509 U.S. 688, 113 S.Ct. 2849, 2857 (1993); <u>Illinois v. Vitale</u>, 447 U.S. 410, 420 100 S.Ct. 2260 (1980).

Courts of other jurisdictions have found the use of such overlapping aggravating circumstances to be improper. In Randolph v. State, 463 So.2d 186 (Fla. 1984) the court found that

the aggravating circumstances of murder while engaged in the crime of robbery and murder for pecuniary gain to be overlapping and constituted only a single aggravating circumstance. See also Provence v. State, 337 So.2d 783 (Fla. 1976) cert. denied 431 U.S. 969, 97 S.Ct. 2929, 53 L.Ed.2d 1065 (1977).

In essence, Mr. Rippo suffered as a result of two aggravating circumstances from the identical behavior. The State was not required to prove any additional facts to establish two separate aggravating circumstances.

In summary, at least four aggravating circumstances appear to be unconstitutional. Admittedly, the State would have been permitted to argue to a jury that Mr. Rippo was under sentence of imprisonment and that the murders involved torture. However, the other four aggravating circumstances (robbery, kidnaping, burglary and a previous violence offense) were all a result of unconstitutional stacking of aggravating circumstances (S.A., Vol. 17, pp. 3191-392).

In the State's answering brief, they claim that there is ample evidence of premeditation and deliberation just as there was in McConnell (State's Answering Brief, pp. 7). Unlike McConnell. Mr. Rippo did not plead guilty and admit to premeditated and deliberated First Degree Murder. In fact, there was a lengthy discussion by this Court in the McConnell, decision regarding the defendant's admission that he had committed first degree murder by premeditation and deliberation. In the instant case, that is not the case. Mr. Rippo denied culpability and proceeded to trial. Nevada is a weighing state, and there is no concrete evidence that a jury would have sentenced Mr. Rippo to death had they only been able to find two aggravating circumstances as opposed to the six that they did find. In Nevada, the jury is required to proceed through a weighing process of aggravators versus mitigators. Second, the jury has the discretion, even in the absence of mitigation to return a life sentence irregardless of the number of aggravating circumstances. The State can not argue that the numerical stacking of aggravating circumstances

The stacking of aggravating circumstances based on the same conduct results in the arbitrary and capricious imposition of the death penalty, and allows the State to seek the death penalty based on arbitrary legal technicalities and artful pleading. This violates the commands of the United States Supreme Court in Grecy v. Georgia, 428 U.S. 153 (1976) and violates the Eighth Amendment to the United States Constitution and the prohibition in the Nevada Constitution against cruel and unusual punishment and that which guarantees due process of law. Trial counsel was deficient in failing to strike the duplicate and overlapping aggravating circumstances.

In the State's answering brief, they state, "[w]eighing three aggravators against no mitigating circumstances would produce the same penalty the jury found with six aggravators (State's Answering Brief, pp. 10). The State can not claim to know how a jury would have weighed the aggravators versus the mitigators had they only been able to find two and not six.

Lastly, the State claims that the <u>McConnell</u> decision should not be applied retroactively to Mr. Rippo's case. The State claims that this Court does not appear willing to apply the <u>McConnell</u>, decision retroactively. Mr. Rippo disagrees.

In 1982, this Court considered the issue of retroactivity in Franklin v. Nevada 98 Nev. 266, 646 P.2d, 543(1982). In Franklin, this Court stated, "[I]n places determining complete retroactivity or prospectivity of new constitutional rules, the Supreme Court has consistently considered three factors: 1) the purpose of the rule; 2) the reliance on prior contrary law; and 3) the effect retroactive application would have on the administration of justice. Franklin at 269 fn. 2, See Tehan v. United States. 382 U.S. 406 (1966).

In Gier v. Ninth Judicial District Court of Nevada, this Court provided that, "[n]ew rules apply prospectively unless they are rules of constitutional law, and then they apply retroactively only under certain circumstance." Gier v. Ninth Judicial District Court of the State of Nevada, 106

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Nev. 208, at 212; 789 P.2d 1245 (1990), See Franklin v. State, 98 Nev. 2666, 646 P.2d 543 (1982). In Feague v. Lane, Director, Illinois Department of Corrections, 489 U.S. 288 109 S. Ct. 1060; 103 L.Ed 2d 334 (1989), the United States Supreme Court articulated that in a new rule of constitutional dimension would apply retroactively. In Teague, the majority opinion provided two exceptions when a new constitutional rule would apply retroactively. A new constitutional rule should be applied retroactively ". . . if it required the observance of the bedrock procedural elements that were absolutely prerequisite to the fundamental fairness implicit in the concept of ordered liberty." Id.

The United States Supreme Court has held that in general, a case announces a new rule when it breaks new ground or imposes a new obligation on the State or Federal government. Teague, 489 U.S.288 at 301.

Perhaps, Justice O'Connor was concerned with a legal principle the Supreme Court addressed in Teague. The Supreme Court explained that, "[f]urthermore, as we recognized in Engle v. Issac, [s]tate courts are understandably frustrated when they faithfully apply existing constitutional law only to have a federal court discover during a habeas proceedings, new constitutional commands" Teague, 489 U.S. 288 at 310. (citations omitted). In Teague, United States Supreme Court addresses the concerns mirrored by Justice O'Connor in her dissenting opinion in Ring. It is interesting and important to note that in both instances the Court was addressing defendants who are attacking constitutional issues in habeas proceedings after exhausting their state remedies.

In the instant case, Mr. Rippo specifically raised this issue on direct appeal. Therefore, the McConnell, decision should be applied to him. Second, a review of McConnell, does not make it clear whether or not the McConnell decision should be applied retroactively. However, based on the fact that this Court in McConnell, relied on prior case law. Combined with the fact that this

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Court in McConnell concluded that the McConnell decision would provide greater certainty and fairness of application within the trial, appellate and federal court systems. This appears to indicate that this Court is willing to apply the McConnell decision to the instant case. Out of fairness and equity, Mr. Rippo specifically raised this issue prior to the McConnell decision on direct appeal. Mr. Rippo reasserted this issue on post-conviction relief. Mr. Rippo has extensively briefed this issue on appeal from post-conviction relief. Mr. Rippo should receive the benefit of this Court's ruling in McConnell and the application of McConnell to Mr. Rippo's case would provide to greater certainty and fairness of the application within the appellate and federal court system. Mr. Rippo respectfully request that this Court deem the four aggravating circumstances in question unconstitutional. Mr. Rippo would respectfully request that this Court reverse his sentences of death and remand the case for a new penalty phase.

RIPPO'S CONVICTION AND SENTENCE ARE INVALID UNDER THE STATE H. AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS. EQUAL <u>PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND</u> RELIABLE SENTENCE BECAUSE RIPPO WAS NOT AFFORDED EFFECTIVE ASSISTANCE OF COUNSEL ON DIRECT APPEAL. CONSTITUTION AMENDMENTS 5, 6, 8, AND 14; NEVADA CONSTITUTION UNITED STATES ARTICLE I. SECTIONS 3. 6 AND 8; ARTICLE IV. SECTION 21.

This issue is submitted.

- Ш. THE PERFORMANCE OF TRIAL COUNSEL DURING THE PENALTY PHASE TRIAL FELL BELOW THE STANDARD OF REASONABLY EFFECTIVE ASSISTANCE OF COUNSEL IN THE FOLLOWING RESPECTS.
  - The failure to offer any jury instruction with Rippo's specific mitigating A. circumstances and failed to object to an instruction that only listed the statutory mitigators and failed to submit a special verdict form listing mitigating circumstances found by the jury.

There was no verdict form provided to the jury for the purpose of finding the existence of

This argument is taken out of chronological order from appellant's opening brief. The purpose is to address the penalty phase issues together for purposes of this reply brief.

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tailored mitigating circumstances. A review of the entire record on appeal demonstrates that a number of mitigating circumstances should have been urged to the jury. They were:

- Accomplice and participant Diana Hunt received favorable treatment and is already (1) eligible for parole; (2)
- Rippo came from a dysfunctional childhood;
- Rippo failed to receive proper treatment and counseling from the juvenile justice system; (3)
- Rippo, at the age of 17, was certified as an adult and sent to adult prison because the State (4)of Nevada discontinued a treatment facility of violent juvenile behaviors;
- Rippo was an emotionally disturbed child that needed long term treatment, which he never (5) (6)
- Rippo never committed a serious disciplinary offense while in prison, and is not a danger;
- Rippo worked well in prison and has been a leader to some of the other persons in prison; (7)(8)
- Rippo has demonstrated remorse; and
- Rippo was under the influence of drugs at the time of the offense. (9)

Death penalty statutes must be structured to prevent the penalty being imposed in an arbitrary and unpredictable fashion. Gregg v. Georgia, 428 U.S. 153, 96 S.Ct. 2909, 49 L.Ed.2d 859 (1976); Furman v. Georgia, 408 U.S. 238, 92 S.Ct. 2126, 33 L.Ed.2d 346 (1972). A capital defendant must be allowed to introduce any relevant mitigating evidence regarding his character and record and circumstance of the offense. Woodson v. North Carolina, 428 U.S. 280,96 S.Ct. 2978, 49 L.Ed.2d 944 (1976); Eddings v. Oklahoma, 455 U.S. 104, 102 S.Ct. 869, 71 L.Ed.2d 1 (1982),

In Lockett v. Ohio, 438 US 586, 98 S.Ct 2954, 57 L.Ed. 2d 973 (1978) the Court held that in order to meet constitutional muster a penalty hearing scheme must allow consideration as a mitigating circumstance any aspect of the defendant's character or record or any of the circumstances of the offense that the defendant proffers as a basis for a sentence of less than death. See also Hitchcock v. Duacier, 481 US 393, 107 S.Ct. 1821, 95 L.Ed.2d 347 (1987) and Parker v. Duacer, 498 US 308, 111 S.Ct 731, 112 L.Ed.2d 812 (1991).

In response, the State argues that trial counsel failed to argue all of the mitigating circumstances listed in appellant's opening brief, based upon a trial tactic. The State contends.

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"[t]hus, trial counsel was presented with an extremely delicate balancing act. That he chose to illuminate some details in his summation and leave others to be considered as part of the evidence as a whole was clearly a reasonable course" (State's Answering Brief, pp. 22). The State must remember that Mr. Rippo's life held in the balance. It can hardly be considered a tactical decision to fail to raise mitigating circumstances. By the State's own admission, trial counsel failed to argue that Mr. Rippo was remorseful and the he was under the influence of drugs at the time of the murder and that Diana Hunt had received favorable treatment after testifying against the defendant (Appellant's Opening Brief, pp. 21, lines 17-21).

During the evidentiary hearing, (post-conviction relief) appellate counsel, Mr. David Schieck explained,

And it's been my experience that its much better to list what you believe your mitigators are in an instruction to the jury, number one, so that they know they can consider those, and that that's your theory of mitigation.

Second, the jury, should be given the opportunity to check on a proper verdict form which mitigators they have found in the case, so with the Court at a later date is going to re-weigh the death penalty, they'll know that the jury found their were, in fact, the existence of mitigating circumstances. (A. A., Volume II, 329-330).

Mr. Schieck further stated, "[i]n hindsight, I believe I should have raised it. Failure to properly instruct, not the argument of counsel, the failure to properly instruct the jury as to the use of those mitigating circumstances, the Supreme Court since Mr. Rippo's direct appeal has ruled that the defense is entitled to an instruction that lists your mitigating circumstances, not just the laundry list. And I believe I should have raised it when I did the appeal back in 1992." (A.A., Vol. II, pp. 330-331).

Therefore, the State's contention that appellant's counsel was not remiss for failing to raise this issue on direct appeal is belied by the testimony of appellate counsel. Appellate counsel, agreed at the post-conviction evidentiary hearing that he should have raised the issue on direct

During closing argument, at the penalty phase, the prosecutor made the following argument to the jury: "[a]nd I would pose the question now: Do you have the resolve, the courage, the intestinal fortitude, the sense of commitment to do your legal duty?" (A.A. Vol. II, pp.108).

In Evans v. State, 117 Nev. Ad. Op. 50 (2002) this Court considered the exact same comments and found:

Other prosecutorial remarks were excessive and unacceptable and should have been challenged at trial and on direct appeal. In rebuttal closing, the prosecutor asked, 'do you as a jury have the resolve, the determination, the courage, the intestinal fortitude, the sense of legal commitment to do your legal duty?' Asking the jury if it had the 'intestinal fortitude' to do its 'legal duty' was highly improper. The United States Supreme Court held that a prosecutor erred in trying 'to exhort the jury to do its job'; that kind of pressure . . .has no place in the administration of criminal justice' 'There should be no suggestion that a jury has a duty to decide one way or the other; such an appeal is designed to stir passion and can only distract a jury from it's actual duty: impartiality'. The prosecutor's words here 'resolve,' 'determination,' 'courage,' 'intestinal fortitude,' 'commitment,' 'duty'—were particularly designed to stir the jury's passion and appeal to partiality.

In the State's answering brief, they argue that trial counsel was not ineffective for objecting to this argument. The State cites to the district court's comment during the evidentiary hearing wherein the court determined that objected at closing argument is a rather dangerous situation that looks like counsel is hiding the ball (State's Answering Brief, pp. 24, lines 13-14). The State cites the district court's opinion from the bench that objecting during closing argument has the appearance to the jury that the defense is hiding the ball. Hypocritically, the State throughout their brief argues that issues can not be considered by this Court unless there is a contemporaneous objection. In fact, the State argues that since trial counsel failed to object to this comment that this should preclude appellate consideration (State's Answering Brief, pp. 22. lines 26-27). On the one hand, the State would have this Court believe that it is appropriate tactics for trial counsel to fail

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to object because it has the appearance of "hiding the ball". On the other hand, since defense counsel failed to object this Court should not consider the issue. Mr. Rippo was damned if his attorney objects because it appears he is "hiding the ball". Mr. Rippo is damned if his attorney doesn't object because then the issue can't be raised for appellate consideration. This argument is obviously in direct contradiction to the rules of advocacy. Mr. Rippo was on trial for his live. When the State makes an objectionable comment during closing argument counsel should object so that this Court can consider the issues. The district court's determination that objecting has the appearance that the defense is hiding the ball is meritless. That type of tactic only leads to the State arguing on appeal that the issue should not be considered of the failure to object. Hence, the failure to object provides appellate counsel with an argument of plain error only.

The State correctly points out that in Evans, this Court considered other factors in reversing Mr. Evans sentence of death besides the single comments made by the prosecutor in closing argument. However, in viewing the record as a whole, this Court will note that Mr. Rippo endured numerous errors during the penalty phase.

Lastly, the State argues that at the evidentiary hearing, Judge Mosley stated, "[h]ow would defense counsel know they would have a legal ground to object without the benefit of the Supreme Court determination." (State's Answering Brief, pp. 24, lines 10-12). The district court inquired how appellate counsel would have been able to raise this issue on direct appeal and trial counsel having knowledge that this was objectionable given the fact that the Evans decision was subsequent to Mr. Rippo's penalty phase. To answer the district court's question, one only needs to review the testimony given by appellate counsel Mr. David Schieck at the evidentiary hearing. During the evidentiary hearing, Mr. Schieck was asked about this particular statement during the closing argument of the penalty phase. Mr. Schieck responded that the had heard that quote in many of his cases (AA., Vol. II, pp. 342). Mr. Schieck admitted that he had not raised the issue

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on direct appeal. (AA., Vol. II, pp. 342). Mr. Schieck explained that he had been the trial and appellate counsel for Billy Castillo and had heard the same prosecutor make an almost identical argument (AA., Vol. II, pp. 343). During the Castillo trial, Mr. Schieck objected and raised the issue on direct appeal. This is an interesting coincidence, as the State cited to the Castillo decision in their answering brief (State's Answering Brief, pp. 23, footnote 7).

In Castillo v. State, 114 Nev. 271, 279-280, 956 P.2d 103, 109 (1998), this Court noted that Mr. Castillo's appellate counsel raised the issue as to the prosecutor's argument on future dangerousness not the reference to the jury's duty. Therefore, the district court concern that appellate counsel would not have known this issue is belied by the evidentiary hearing transcript of Mr. Schieck. Mr. Schieck was trial counsel for Billy Castillo and objected to a similar if not identical statement by the prosecutor. On appeal, Mr. Schieck raised the issue of improper argument by the prosecutor as an issue of future dangerousness and not moral duty. Therefore, the logical reasoning demonstrates that appellate counsel in the instant case, was aware of this issue and had seen this type of argument many times.

Admittedly, at the evidentiary hearing, Mr. Schieck explained that he could not recall if the Castillo matter went to trial before or after he competed the appellate brief for Mr. Rippo. However, the issue remains the same in both Mr. Rippo's case and in Mr. Evan's case. The prosecutor was the same in both cases. The prosecutor made an almost identical argument in both cases. In Evans, the prosecutor's argument was found to be a factor in determining that Mr. Evan's penalty phase should be reversed. Here, the prosecutor's argument was just as damaging and improper as it was in the Evans case. A review of the entire penalty phase demonstrates that the State was permitted to receive multiple overlapping and stacking aggravators along with improper argument. These problems are compounded by the fact that there was no jury instruction listing the tailored mitigators that could have been offered for Mr. Rippo.

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It was error for trial counsel to fail to object to this improper argument and failure to raise this matter on direct appeal.

THE INSTRUCTION GIVEN AT THE PENALTY HEARING FAILED TO IV. APPRAISE JURY OF THE PROPER USE OF CHARACTER EVIDENCE AND AS SUCH THE IMPOSITION OF THE DEATH PENALTY WAS ARBITRARY NOT BASED ON VALID WEIGHING OF AGGRAVATING AND MITIGATING CIRCUMSTANCES IN VIOLATION OF THE FIFTH, SIXTH, EIGHTH AND FOURTEENTH AMENDMENTS TO THE CONSTITUTION.

In the case at bar, in addition to the alleged aggravating circumstances there was a great deal of "character evidence" offered by the State that was used to urge the jury to return a verdict of death. The jury, however, was never instructed that the "character evidence" or evidence of other bad acts that were not statutory aggravating circumstances could not be used in the weighing process.

Instruction No. 7 given to the jury erroneously spelled out the process as follows:

The State has alleged that aggravating circumstances are present in this case. The defendants have alleged that certain mitigating circumstances are present in this case.

It shall be your duty to determine:

- (a) Whether an aggravating circumstance or circumstances are found to exist; and
- (b) Whether a mitigating circumstance or circumstances are found to exist; and
- O) Based upon these findings, whether a defendant should be sentenced to life imprisonment or death.

The jury may impose a sentence of death only if (1) the jurors unanimously find at least one aggravating circumstance has been established beyond a reasonable doubt and (2) the jurors unanimously find that there are no mitigating circumstances sufficient to outweigh the aggravating circumstance or circumstances found.

Otherwise, the punishment imposed shall be imprisonment in the State Prison for life with or without the possibility of parole.

A mitigating circumstance itself need not be agreed to unanimously; that is, any one juror can find a mitigating circumstance without the agreement of any other juror or jurors. The entire jury must agree unanimously, however, as to whether the aggravating circumstances outweigh the mitigating circumstances or whether the mitigating circumstances outweigh the aggravating circumstances." (SA., Vol. 17,

The jury is instructed that in determining the appropriate penalty to be imposed in this case that it may consider all evidence introduced and instructions given at both the penalty hearing phase of these proceedings and at the trial of this matter (S. A. Vol. 17, pp. 3184).

The jury was never instructed that character evidence was not to be part of the weighing process to determine death eligibility or given any guidance as to how to treat the character evidence. The closing arguments of defense counsel also did not discuss the use of the character evidence in the weighing process and that such evidence could not be used in the determination of the existence of aggravating or mitigating circumstances.

In <u>Brooks v. Kemo</u>, 762 F.2d 1383 (11th Cir. 1985) the Court described the procedure that must be followed by a sentencing jury under a statutory scheme similar to Nevada:

After a conviction of murder, a capital sentencing hearing may be held. The jury hears evidence and argument and is then instructed about statutory aggravating circumstances. The Court explained this instruction as follows:

The purpose of the statutory aggravating circumstance is to limit to a large degree, but not completely, the fact finder's discretion. Unless at least one of the ten statutory aggravating circumstances exist, the death penalty may not be imposed in any event. If there exists at least one statutory aggravating circumstance, the death penalty may be imposed but the fact finder has a discretion to decline to do so without giving any reason... [citation omitted]. In making the decision as to the penalty, the fact finder takes into consideration all circumstances before it from both the guilt-innocence and the sentence phase of the trial. The circumstances relate to both the offense and the defendant.

[citation omitted]. The United States Supreme Court upheld the constitutionality of structuring the sentencing jury's discretion in such a manner. Zant v. Stephens, 462 13.5. 862, 103 S.Ct. 2733, 77 L.Ed.2d 235 (1963)" Brooks, 762 F.2d at 1405.

In Witter v. State, 112 Nev. 908, 921 P.2d 886 (1996) the Court stated:

Under NRS 175.552, the trial court is given broad discretion on questions concerning the admissibility of evidence at a penalty hearing. Guy, 108 Nev. 770, 839 P.2d 578. In Robins v. State, 106 Nev. 611, 798 P.2d 558 (1990), cert. denied, 499 U.S. 970 (1991), this court held that evidence of uncharged crimes is admissible at a penalty hearing once any aggravating circumstance has been proven

Additionally in <u>Gallego v. State</u>, 101 Nev. 782, 711 P.2d 856 (1995) the court in discussing the procedure in death penalty cases stated:

If the death penalty option survives the balancing of aggravating and mitigating circumstances, Nevada law permits consideration by the sentencing panel of other evidence relevant to sentence NRS 175.552. Whether such additional evidence will be admitted is a determination reposited in the sound discretion of the trial judge. Gallego, at 791.

More recently the Court made crystal clear the manner to properly instruct the jury on use of character evidence:

To determine that a death sentence is warranted, a jury considers three types of evidence: evidence relating to aggravating circumstances, mitigating circumstances and 'any other matter which the court deems relevant to sentence'. The evidence at issue here was the third type, 'other matter' evidence. In deciding whether to return a death sentence, the jury can consider such evidence only after finding the defendant death—cligible, i.e., after is has found unanimously at least one enumerated aggravator and each juror has found that any mitigators do not outweigh the aggravators. Of course, if the jury decides that death is not appropriate, it can still consider 'other matter' evidence in deciding on another sentence. Evans v. State, 117 Nev. Ad. Op. 50 (2001).

On direct appeal, this issue was not raised. At the evidentiary hearing, appellate counsel, Mr. Schieck, explained, "... and I'm sure I had concerns over the instructions and the process that was being used in death penalty cases that - - and this is one of those issues that I believe I should have raised to preserve the issue, without necessarily believing the Supreme Court was going to change the existing precedent on it, in order to preserve for further challenges. And the Supreme Court has changed the instruction on talking about the use of character evidence, and when it can be build into the weighing process." (A.A., Vol. II, pp. 357).

Mr. Schieck admitted that this was an issue that should have been raised on direct appeal. In the instant case, there was a great deal of character evidence offered against Mr. Rippo. As in <a href="Evans">Evans</a>, the prosecutor made a similar improper argument regarding the moral duty of the jury and

stressed the character of both Mr. Evans and Mr. Rippo. Mr. Evans received a new penalty phased based upon several assignments of error. In the instant case, Mr. Rippo has also suffered from numerous error in both the trial and penalty phase. For the foregoing reasons, Mr. Rippo respectfully requests that this Court reverse his sentences of death and remand the case for a new penalty phase based upon violations of the United States Constitution Amendments Five, Six, Eight and Fourteen.

V. TRIAL COUNSEL WOLFSON INSISTED THAT RIPPO WAIVE HIS RIGHT TO SPEEDY TRIAL AND THEN ALLOWED THE CASE TO LANGUISH FOR 46 MONTHS BEFORE PROCEEDING TO TRIAL.

This issue is submitted as set forth in opening brief.

- VI. THE PERFORMANCE OF TRIAL COUNSEL DURING THE PENALTY PHASE OF THE TRIAL FELL BELOW THE STANDARD OF REASONABLY EFFECTIVE COUNSEL IN THE FOLLOWING RESPECTS:
  - (a.) Failure to Object to Unconstitutional Jury Instructions at the Penalty Hearing That Did Not Define and Limit the Use of Character Evidence by the Jury.
  - (b) Failure to Offer Any Jury Instruction with Rippo's Specific Mitigating Circumstances and Failed to Object to an Instruction That Only Listed the Statutory Mitigators and Failed to Submit a Special Verdict Form Listing Mitigatating Circumstances Found by the Jury.
  - ©). Failure to Argue the Existence of Specific Mitigating Circumstances During Closing Argument at the Penalty Hearing or the Weighing Process Necessary Before the Death Penalty Is Even an Option for the Jury.
  - (d). Failure to Object to Improper Closing Argument at the Penalty Hearing.
  - (e) Trial Counsel Failed to Move to Strike Two Aggravating Circumstances That Were Based on Invalid Convictions.

This issue is submitted as set forth in opening brief.

VII. RIPPO'S SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARNTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE THE JURY WAS NOT INSTRUCTED ON SPECIFIC MITIGATING CIRCUMSTANCES BUT RATHER ONLY GIVEN THE STATUTORY LIST AND THE JURY WAS NOT GIVEN A SPECIAL VERDICT FONT TO LIST MITIGATING CIRCUMSTANCES. UNITED STATES

XI.

## CONSTITUTION AMENDMENTS 5, 6, 8, AND 14; NEVADA CONSTITUTION ARTICLE I, SECTIONS 3, 6 AND 8; ARTICLE IV, SECTION 21.

This issue is submitted as set forth in opening brief.

VIII. RIPPO'S SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE THE NEVADA STATUTORY SCHEME AND CASE LAW FAILS TO PROPERLY LIMIT THE INTRODUCTION OF VICTIM IMPACT TESTIMONY AND THEREFORE VIOLATES THE PROHIBITION AGAINST CRUEL AND UNUSUAL PUNISHMENT IN THE EIGHTH AMENDMENT AND FURTHER VIOLATES THE RIGHT TO A FAIR AND NON-ARBITRARY SENTENCING PROCEEDING AND DUE PROCESS OF LAW UNDER THE 14TH AMENDMENT, UNITED STATES CONSTITUTION AMENDMENTS 5. 6.8, AND 14: NEVADA CONSTITUTION ARTICLE I, SECTIONS 3. 6 AND 8: ARTICLE IV, SECTION 21.

This issue is submitted as set forth in opening brief.

IX. THE STOCK JURY INSTRUCTION GIVEN IN THIS CASE DEFINING PREMEDITATION AND DELIBERATION NECESSARY FOR FIRST DEGREE MURDER AS "INSTANTANEOUS AS SUCCESSIVE THOUGHTS OF THE MIND" INSTRUCTION VIOLATED THE CONSTITUTIONAL GUARANTEES OF DUE PROCESS AND EQUAL PROTECTION, WAS VAGUE AND RELIEVED THE STATE OF IT'S BURDEN OF PROOF ON EVERY ELEMENT OF THE CRIME, UNITED STATES CONSTITUTION AMENDMENTS 5, 6,3, AND 14: NEVADA CONSTITUTION ARTICLE 1, SECTION 5, 6, 8, AND 14: ARTICLE IV.

This issue is submitted as set forth in opening brief.

X. RIPPO'S CONVICTION AND SENTENCE INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, AND RELIABLE SENTENCE DUE TO THE FAILURE OF This Court TO CONDUCT FAIR AND ADEQUATE APPELLATE REVIEW. UNITED STATES CONSTITUTION AMENDMENTS 5, 6, 8, AND 14: NEVADA CONSTITUTION ARTICLE T, SECTIONS 3, 6 AND 8; ARTICLE IV, SECTION 21.

This issue is submitted as set forth in opening brief.

RIPPO'S CONVICTION AND SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEES OF DUE PROCESS. EQUAL PROTECTION, IMPARTIAL JURY FROM CROSS-SECTION OF THE COMMUNITY, AND RELIABLE DETERMINATION DUE TO THE TRIAL. CONVICTION AND SENTENCE BEING IMPOSED BY A JURY FROM WHICH

AFRICAN AMERICANS AND OTHER MINORITIES WERE SYSTEMATICALLY EXCLUDED AND UNDER REPRESENTED. UNITED STATES CONSTITUTION AMENDMENTS 5, 6, 8, AND 14; NEVADA CONSTITUTION ARTICLE T. SECTIONS 3, 6 AND 8; ARTICLE IV, SECTION 21.

This issue is submitted as set forth in opening brief.

XII. RIPPO'S SENTENCE IS INVALID UNDER THE STATE AND FEDERAL CONSTITUTIONAL GUARANTEE OF DUE PROCESS, EQUAL PROTECTION OF THE LAWS, EFFECTIVE ASSISTANCE OF COUNSEL AND RELIABLE SENTENCE BECAUSE THE NEVADA STATUTORY SCHEME AND CASE LAW WITH RESPECT TO THE AGGRAVATING CIRCUMSTANCES ENUNCIATED IN NRS 200.033 FAIL TO NARROW THE CATEGORIES OF DEATH ELIGIBLE DEFENDANTS.

This issue is submitted as set forth in opening brief.

CHRISTOPHER R. ORAM 520 South Fourth Street, Second Floor Las Vegas, Nevada 89101

#### CONCLUSION

Based on the foregoing Mr. Rippo would respectfully request that this Court reverse his convictions based on violations of the Fifth, Sixth, and Fourteenth Amendments to the United States Constitution.

DATED this O day of September, 2005.

Respectfully submitted by:

CHRISTOPHER R. ORAM, ESQ. Nevada Bar No. 004349

520 South Fourth Street, Second Floor Las Vegas, Nevada 89101

Attorney for Appellant

I hereby certify that I have read this appellate brief, and to the best of my knowledge, information, and belief, it is not frivolous or interposed for any improper purpose. I further certify that this brief complies with all applicable Nevada Rules of Appellate Procedure, in particular NRAP 28(e), which requires every assertion in the brief regarding matters in the record to be supported by appropriate references to the record on appeal. I understand that I may be subject to sanctions in the event that the accompanying brief is not in conformity with the requirements of the Nevada Rules of Appellate Procedure.

DATED this 26 day of September, 2005.

Respectfully submitted by,

CHRISTOPHER R. ORAM, ESQ. Nevada Bar No. 004349 520 S. Fourth Street, 2nd Floor Las Vegas, Nevada 89101 (702) 384-5563 Attorney for Appellant

#### CERTIFICATE OF MAILING

I hereby certify that I am an employee of CHRISTOPHER R. ORAM, ESQ., and that on the day of September, 2004, I did deposit in the United States Post Office, at Las Vegas, Nevada, in a sealed envelope with postage fully pre-paid thereon, a true and correct copy of the above and foregoing APPELLANT'S REPLY BRIEF, addressed to:

David Roger
District Attorney
200 S. Third Street, 7th Floor
Las Vegas, Nevada 89155

Brian Sandoval Attorney General 100 North Carson Street Carson City, Nevada 89701-4717

An employee of Christopher R. Oram, Esq.

## EXHIBIT 141

## EXHIBIT 141

#### IN THE SUPREME COURT OF THE STATE OF NEVADA

\* \* \* \* \*

MICHAEL RIPPO.

THE STATE OF NEVADA.

Appellant,

Respondent.

S.C. CASE NO. 44094

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APPEAL FROM DENIAL OF PETITION FOR WRIT OF HABEAS CORPUS
(POST-CONVICTION)
EIGHTH JUDICIAL DISTRICT COURT
THE HONORABLE DONALD M. MOSLEY, PRESIDING

APPELLANT'S SUPPLEMENTAL BRIEF AS ORDERED BY THIS COURT

ATTORNEY FOR APPELLANT CHRISTOPHER R. ORAM, ESQ.

Attorney at Law

Nevada Bar No. 004349 520 S. Fourth Street, 2nd Floor Las Vegas, Nevada 89101

Telephone: (702) 384-5563

ATTORNEY FOR RESPONDENT

DAVID ROGER

District Attorney Nevada Bar No. 002781 200 S. Third Street, 7th Floor Las Vegas, Nevada 89155

Telephone: (702) 455-4711

**BRIAN SANDOVAL** 

Nevada Attorney General Nevada Bar No. 0003805

100 North Carson Street

Carson City, Nevada 89701-4717

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CHRISTOPHER R. ORAM 520 South Fourth Street. Second Floor Las Vegas, Nevada 89101

# CHRISTOPHER R. ORAM 520 South Fourth Street, Second Floor Las Vegas, Nevada 89101

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# CHRISTOPHER R. ORAM 520 South Fourth Street. Second Floor Las Vegas. Nevada 89101

#### ISSUES PRESENTED FOR REVIEW

- A. MCCONNELL MUST BE RETROACTIVELY APPLIED TO CASES ON COLLATERAL REVIEW.
- B. THE RESULT IN MCCONNELL WAS DICTATED BY LOWENFIELD V. PHELPS.
- C. <u>MCCONNELL MUST BE RETROACTIVELY APPLIED BECAUSE IT IS A SUBSTANTIVE RULE OF LAW.</u>
- D. MCCONNELL IS RETROACTIVE UNDER THE ANALYSIS OF COLWELL V. STATE.
- E. THE IMPROPER AND UNCONSTITUTIONAL AGGRAVATING CIRCUMSTANCE IS NOT HARMLESS ERROR.

#### STATEMENT OF THE CASE

On May 19, 2005, Mr. Rippo filed his opening brief with this Court. On June 17, 2005, the State submitted their answering brief. On September 30, 2005, the State requested leave to file a supplemental answering brief (formatting their brief to the supplement appendix submitted by Appellant). On October 18, 2005, this Honorable Court granted the State's motion for leave to file supplemental brief. This Court also ordered that supplemental briefing be conducted and submitted to the Court addressing the retroactivity of McConnell. Additionally, post-conviction counsel, David Schieck raised this issue in Mr. Rippo's supplemental brief (before McConnell was decided).

#### STATEMENT OF FACTS

Appellant hereby adopts the statement of the facts as annunciated in Appellant's Opening Brief.

#### **ARGUMENT**

A. MCCONNELL MUST BE RETROACTIVELY APPLIED TO CASES ON COLLATERAL REVIEW.

As a preliminary matter, the state is incorrect when it argues that this Court intended to hint at the non-retroactivity of <u>McConnell</u> in its decision on direct appeal. As this Court

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made clear in its decision denying rehearing, the retroactivity question should only be decided when it is raised and briefed in a post-conviction case. See McConnell v. State, 121 Nev. \_\_, 107 P.3d 1287, 1290 (2005) ("McConnell did not address whether the ruling regarding felony aggravators is retroactive, but we did not overlook this issue. Before deciding retroactivity, we prefer to await the appropriate post-conviction case that presents and briefs the issue."). Given the state's invocation of a retroactivity defense in its answer, Mr. Rippo's appeal presents an appropriate opportunity for this Court to resolve that question. As explained below, McConnell must be applied retroactively under the framework of Colwell v. State, 118 Nev. 807, 59 P.3d 463 (2003), as well as under this Court's prior decisions retroactively applying narrowing constructions of aggravating circumstances on collateral review.

The state argues that this Court's decision in McConnell is a new rule of law and therefore does not need to be applied to cases pending on habeas corpus under Colwell v. State, 118 Nev. 807, 59 P.3d 463 (2002). See Ans. Br. at 13-15. Mr. Rippo does not dispute the fact that his judgment of conviction is final. He does contest, however, the state's argument that McConnell created new law by holding that aggravating circumstances must be narrowly construed.

A review of similar cases reveals that in similar circumstances the courts have given full recognition to and retroactive application of decisions holding state death penalty schemes unconstitutional, in whole or in part, based upon the failure to narrowly define the class of persons eligible for the death penalty. These cases should be followed here as a failure to do so would be a violation of Mr. Rippo's constitutional rights of due process of

law and equal protection.

It has long been held by the United States Supreme Court that "a State's capital sentencing scheme ... must 'genuinely narrow the class of persons eligible for the death penalty." Hollaway v. State. 116 Nev. 732, 6 P.3d 987, 996 (2000) (quoting Arave v. Creech, 507 U.S. 463, 474 (1993) (in turn quoting Zant v. Stephens, 462 U.S. 862, 877 (1983)). This concept originated in Furman v. Georgia, 408 U.S. 238 (1972) as the Court found that a state's death penalty scheme was arbitrary and capricious in its operation. Following Furman, this Court invalidated all death sentences, without distinction as to whether the judgments were final or not:

In as much as the decision in <u>Furman v. Georgia</u>, 408 U.S. 238, 92 S.Ct.2726, 33 L.Ed.2d 346 (1972), is fully retroactive, any prisoner now under the sentence of death, the judgment as to which is final, may file a petition for writ of habeas corpus in the district court from which he was sentenced inviting that court to modify its judgment to provide for the appropriate alternative punishment specified by statute for the crime for which he was sentenced to death.

Walker v. State, 88 Nev. 539, 540 n.1, 501 P.2d 651 n.1 (1972).

In response to <u>Furman</u>, various state legislatures took two approaches. Some limited the discretion of juries by prescribing guidelines that the jury or sentencing judge must consider in determining whether to fix the sentence at death or life imprisonment and other states provided for mandatory death sentences for certain narrowly defined crimes. In 1976, the United States Supreme Court considered five death penalty cases in which it upheld the guideline approach and rejected the mandatory death sentence approach. The guideline approach was upheld in <u>Gregg v. Georgia</u>, 428 U.S. 153 (1976); <u>Proffitt v. Florida</u>, 428 U.S. 242(1976); and <u>Jurek v. Texas</u>, 428 U.S. 262(1976). The mandatory

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sentencing approach was rejected in Woodson v. North Carolina, 428 U.S. 280 (1976) and Roberts (Stanislaus) v. Louisiana, 428 U.S. 325 (1976). Nevada was one of the states that enacted a mandatory scheme. See Schuman v. Wolff, 791 F. 2d 788, 791 (9th Cir. 1986). Accordingly, in 1977, the Nevada Legislature amended the statutory scheme for imposition of the death penalty to provide for the current system of weighing aggravating and mitigating circumstances. Id.

In the meantime, during the period in which the mandatory death penalty scheme was in operation, defendant Raymond Schuman was sentenced to death upon a finding that he committed murder of another inmate while under a sentence of life in prison without the possibility of parole. Id. at 790. This Court affirmed his conviction and sentence of death after finding that the mandatory death penalty was permissible under these limited circumstances. Shuman v. State, 94 Nev. 265, 578 P.2d 1183 (1978). Shuman then filed a state post-conviction petition and in 1982, several years after his judgment of conviction was final, he filed a federal habeas corpus petition. Shuman, 791 F. 2d at 790. The federal district court found that the mandatory death penalty scheme violated Shuman's constitutional rights and the Ninth Circuit affirmed this decision. Id. Upon the state's certiorari petition, the United States Supreme Court affirmed the Ninth Circuit and also concluded that the district court was proper in granting habeas corpus relief as the scheme under which Shuman was sentenced to death was unconstitutional. Sumner v. Shuman, 483 U.S. 66, 77-78 (1987). Thus, despite the fact that Shuman's judgment was final and the case was in habeas corpus proceedings, relief was granted based upon the unconstitutionality of that portion of the death penalty scheme that provided for a

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mandatory sentence of death under Shuman's circumstances.

More recently, in Robins v. State, 106 Nev. 611, 629-30, 798 P.2d 558, 563 (1990), this Court narrowly construed the "depravity of mind" aggravating circumstance to require torture, mutilation or other serious and depraved physical abuse beyond the act of killing. This construction was made so as to avoid a claim that the "depravity of mind" aggravating circumstance did not provide clear and objective standards for the jury as set forth by the United States Supreme Court in Godfrey v. Georgia, 446 U.S. 420, 428-29 (1980) and Maynard v. Cartwright, 486 U.S. 356 (1988). The narrow construction defined in Robins has been applied in habeas corpus proceedings for cases that were final prior to Robins. See Browning v. State, 120 Nev. \_\_, 91 P.3d 39, 50 (2004) (decision on direct appeal final in 1988); State v. Haberstroh, 119 Nev. \_\_\_, 69 P.3d 676, 682-83 (2003) (decision on direct appeal final in 1989); see also Valerio v. Crawford, 306 F.3d 742, 748, 754 (9th Cir. 2002) (applying Robins to a habeas corpus case in which the judgment was final in 1989); McKenna v. McDaniel, 65 F.3d 1483, 1489 (9th Cir. 1995) (reversing sentence based upon depravity aggravating circumstance for case in which the judgment was final in 1986 and citing Robins).

Most recently in Leslie v. Warden, 118 Nev. 773, 780, 59 P.3d 440, 445 (2002), this Court considered whether the aggravating circumstance of "random and without apparent motive" was constitutional when applied to a case where the sole basis was that the defendant unnecessarily killed someone in a robbery. Leslie was a habeas corpus proceeding and the Nevada Supreme court had affirmed the validity of the aggravating circumstance on direct appeal. Id. at 779, 59 P.3d at 444. The Court nonetheless

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reconsidered the application of the aggravating circumstance because the refusal to do so would result in a fundamental miscarriage of justice. Id. at 780, 59 P.3d at 445. Likewise, in State v. Bennett, this Court applied Leslie retroactively to a petitioner whose conviction and sentence became final in 1990, see 119 Nev. 589, 81 P.3d 1, 6-8 (2003), and whose challenge to the same aggravating circumstances was rejected on direct appeal. See 106 Nev. 135, 143, 787 P.2d 797, 802 (1990). This Court did not discuss retroactivity in Leslie or Bennett when it applied a narrowing construction to aggravating circumstances in cases that were already final.

In McConnell, this Court followed the reasoning of the Tennessee Supreme Court in State v. Middlebrooks, 840 S.W.2d 317 (Tenn 1992) in concluding that felony-murder could not be used both as a theory of guilt and as an aggravating circumstance. McConnell, 102 P.3d at 620 n. 42. The retroactivity question at issue here was also considered by the Tennessee Supreme Court. In Barber v. State, 889 S.W.2d 185, 186 (Tenn. 1994), the state supreme court explained as follows:

The State first argues that this Court's decision in Middlebrooks should not be retroactively applied to a case where the conviction became final long before the rule in Middlebrooks was announced. In State v. Meadows, 849 S.W.2d 748 (Tenn. 1993), authored by Justice Anderson, we departed from federal law on retroactivity and held that "a new state constitutional rule is to be retroactively applied to a claim for Postconviction relief if the new rule materially enhances the integrity and reliability of the fact finding process of the trial." Id. at 755. We now hold that the rule in Middlebrooks materially enhances both the integrity and the reliability of the fact finding process in the sentencing phase of a capital trial and should therefore be applied retroactively.

The constitutional concern in Middlebrooks was that the class of death-eligible murderers be narrowed so that only the worst offenders receive the death penalty. See Middlebrooks, 840 S.W.2d at 341-347. The court observed that the felony murder aggravating circumstance duplicates

# CHRISTOPHER R. ORAM 520 South Fourth Street. Second Floor

Las Vegas, Nevada 89101

the cri me of felony murder and thereby makes all felony murderers susceptible to the death penalty. This Court found that such a result violates the Eighth Amendment to the United States constitution, as well as Article I, Section 16 of the Tennessee Constitution. 840 S.W.2d 346. When an aggravating circumstance is improperly injected into the process by which the jurors must weigh aggravating and mitigating circumstances to determine a sentence, the integrity and reliability of the sentencing process is jeopardized because the death penalty may not be reserved for only the most culpable defendant. For this reason, we apply Middlebrooks retroactively under the Meadows rule.

Barber v. State, 889 S.W.2d 185, 186-87 (Tenn. 1994).

This Court also noted that the Wyoming Supreme Court reached the same decision as McConnell in Engberg v. Meyer, 820 P.2d 70 (Wyo.1991). McConnell, 102 P.3d at 620 n.42. Engberg was a post conviction case, yet the Wyoming court both announced and applied its holding that felony murder could not be used both as a basis for finding of guilt and as an aggravating circumstance. In fact, the same issue was presented to the Wyoming Supreme court in Engberg's direct appeal and the court at that time rejected the argument. Engberg v. State, 686 P.2d 541, 558-62 (Wyo. 1984). Nonetheless, the court found it appropriate to reconsider the earlier decision in light of subsequent developments in case law. Engberg, 820 P.2d 87. Thus, the two cases cited favorably in McConnell both apply the rule to post-conviction cases.

### B. THE RESULT IN MCCONNELL WAS DICTATED BY LOWENFIELD V. PHELPS.

In McConnell, this Court recognized that it did not correctly apply Lowenfield v.

Phelps in its earlier decisions. See McConnell, 102 P.3d at 620-21. In Lowenfield, the

United States Supreme Court reemphasized that in order to "pass constitutional muster, a
capital sentencing scheme must 'genuinely narrow the class of persons eligible for the

## CHRISTOPHER R. ORAM 520 South Fourth Street, Second Floor Las Vegas, Nevada 89101

death penalty and must reasonably justify the imposition of a more severe sentence on the defendant compared to others found guilty of murder "Lowenfield, 484 U.S. at 245 (citing Zant and Gregg). The Court then explained that the narrowing process could be performed through the use of aggravating circumstances or by narrowly defining the categories of murders for which a death sentence could be imposed. Id. Thus, the United States Supreme Court recognized and reaffirmed that a state's sentencing scheme must genuinely narrow the class of murders eligible for the death penalty; and that is the same constitutional principle that was analyzed in McConnell as the Court concluded that Nevada's scheme, which permitted a finding of guilt and imposition of the death penalty upon a single showing of felony-murder, did not sufficiently narrow the class of persons eligible for the death penalty. Lowenfield was issued by the United States Supreme court on March 7, 1988, before Mr. Rippo's sentence in this case became final. It is therefore fully applicable to this case. See Griffith v. Kentucky, 479 U.S. 314, 328 (1987).

## C. MCCONNELL MUST BE RETROACTIVELY APPLIED BECAUSE IT IS A SUBSTANTIVE RULE OF LAW.

McConnell must be applied retroactively because it is a substantive rule of law imposing a judicially-created narrowing definition on the felony murder aggravating

Mr. Rippo notes that the United States Supreme Court has observed that Lowenfield itself was not a new rule under the stringent non-retroactivity rules applicable in the context of federal habeas corpus proceedings. See Stringer v. Black, 503 U.S. 222, 232-34 (1992). Additionally, the Court announced Lowenfield in the context of a federal habeas corpus proceeding where new rules of constitutional law generally do not apply retroactively. The fact that the United States Supreme Court did not consider Lowenfield a new rule is consistent with Mr. Rippo's overarching position that it is simply not a new rule that aggravating circumstances must genuinely narrow the class of persons eligible for the death penalty.

circumstances. Unlike new rules of criminal procedure, new rules of substantive law are always applied retroactively on collateral review. See, e.g., Bousley v. United States, 523 U.S. 614, 620 (1998). In Bousley, the Court held that the new rule announced in Bailey v. United States, 516 U.S. 137, 144 (1995) (holding that § 924(c)(1)'s "use" prong requires the government to show "active employment of the firearm"), must be applied to cases on collateral review because the rule concerned the interpretation of a statute. Bousley, 523 U.S. at 620. As such, the rule concerned a substantive rule of criminal law, which are presumptively applied retroactively, and the non-retroactivity rule of Teague is not implicated. Bousely, 523 U.S. at 620 ("Teague by its terms applies only to procedural rules ... [and] is inapplicable to the situation in which this Court decides the meaning of a statute enacted by Congress."); accord Schriro v. Summerlin, 542 U.S. 348, 351-352 (2004). The distinction between substantive rules of criminal law, which are always applied retroactively, versus rules of criminal procedure, which are subject to Teague, is a well-established principle of law.<sup>2</sup>

McConnell is a rule of substantive law because it "narrows the scope of a criminal

E.g., Davis v. United States, 417 U.S. 333, 346 (1974) (holding that a defendant may assert in a § 2255 proceeding a claim based on an intervening substantive change in the interpretation of a federal criminal statute); United States v. Benboe, 157 F.3d 1181, 1183 (9th Cir. 1998); Chambers v. United States, 22 F.3d 939, 942 (9th Cir. 1994); United States v. Sood, 969 F.2d 774, 775-76 (9th Cir. 1992); United States v. McClelland, 941 F.2d 999, 1000-01 (9th Cir. 1991); Santana-Madera v. United States, 260 F.3d 133, 139 (2d Cir. 2001); United States v. Lopez, 248 F.3d 427, 432 (5th Cir. 2001); United States v. McPhail, 112 F.3d 197, 199 (5th Cir. 1997); United States v. Brown, 117 F.3d 471, 479 (11th Cir. 1997); United States v. McKie, 73 F.3d 1149, 1153-54 (D.C. Cir. 1996); Ianniello v. United States, 10 F.3d 59, 63 (2d Cir. 1993); United States v. Guardino, 972 F.2d 682, 687 n.7 (6th Cir. 1992).

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statute", see Summerlin, 542 U.S. at 351, by requiring furthering narrowing of the felony aggravators before Mr. Rippo is rendered death eligible. See also Id. at 354 ("a decision that modifies the elements of an offense is normally substantive rather than procedural.") Unlike the rule of Ring v. Arizona, 536 U.S. 584 (2002), which merely allocated decision making authority between judges and juries, see Summerlin, 542 U.S. at 353, McConnell imposes a substantive narrowing component when the state relies upon a felony murder theory in the guilt phase. By requiring further narrowing of the felony aggravators in the penalty phase, for example with a special verdict form indicating that the jury has found premeditation, this Court grafted an additional substantive element into the definition of the felony aggravators. Without such a finding, Mr. Rippo "faces a punishment that the law cannot impose upon him", see Summerlin, 542 U.S. at 352; therefore, McConnell must be applied retroactively as a substantive rule of law.

#### MCCONNELL IS RETROACTIVE UNDER THE ANALYSIS OF D. COLWELL V. STATE.

Returning to the framework announced by this Court in Colwell, it is clear that McConnell must be applied retroactively just as this Court has applied every other narrowing construction to an aggravating circumstance retroactively. The fact that this Court applied its holdings with respect to aggravating circumstances retroactively in Leslie, Bennett, Feazell, Haberstroh, and Browning without even mentioning it is telling. As explained above, this Court need not engage in a full retroactivity analysis because it is not a new rule that aggravating circumstances must genuinely narrow the class of death eligible defendants. Furthermore, as explained above, McConnell is a substantive rule of

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law and is therefore automatically retroactive. However, even if it is considered a new rule of criminal procedure, McConnell fits comfortably within both Colwell exceptions to nonretroactivity.

McConnell prohibits "a certain category of punishment for a class of defendants because of their status or offense." Colwell, 59 P.3d at 470. For those defendants convicted under a felony murder theory in the guilt phase, their status prevents the state from seeking the death penalty using the same felony murder theory to justify the submission of those same aggravating circumstances to the jury. The state's argument that McConnell does not make it unlawful to prosecute those convicted of felony murder, see Ans. Br. at 14, misses the point. As this Court recognized in Colwell, the United States Supreme Court has recently held that it is unconstitutional to execute the mentally retarded. See Colwell, 59 P.3d at 470. The Court's decision in Atkins v. Virginia, 536 U.S. 304 (2002), does not hold that mentally retarded individuals cannot be prosecuted for murder. Rather, it is their status that prevents the infliction of a particular punishment, i.e., the death penalty. The same principles dictate that McConnell should apply retroactively here: Mr. Rippo's status as an individual convicted of first-degree murder using a felony murder theory prevents the state from using the robbery aggravating circumstance to render him eligible for a sentence of death. Therefore, Mr. Rippo is entitled to the retroactive application of McConnell under the first Colwell exception.

Mr. Rippo is undoubtedly entitled to the retroactive application of McConnell under the second Colwell exception because "accuracy is seriously diminished without the rule." Colwell, 59 P.3d at 472. It is axiomatic that accuracy in the context of a capital sentencing

# CHRISTOPHER R. ORAM 520 South Fourth Street, Second Floor Las Vegas, Nevada 89101

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proceeding requires that the sentencing scheme genuinely narrow the class of death eligible defendants. McConnell is the quintessential example of such a rule because it is based "on a perceived need to enhance accuracy in capital sentencings." Colwell, 59 P.3d at 473. As this Court noted in McConnell, "it is clear that Nevada's definition of felony murder does not afford constitutional narrowing" and "the felony aggravator fails to genuinely narrow the death eligibility of felony murderers and reasonably justify imposing death on all defendants to whom it applies." McConnell, 102 P.3d at 622, 624. This Court's decision in McConnell is the most important narrowing construction ever applied to the state's capital sentencing scheme since Furman for two reasons: (1) the felony aggravator contains seven qualifying felonies, see McConnell, 102 P.3d at 623-24, instead of one3; and (2) the felony aggravator fails to contain an adequate narrowing based on the defendant's mental state. See id. Therefore, it is inescapable that the felony murder aggravator is the most unconfined and overly broad part of the state sentencing scheme. In comparison, this Court's rulings in Leslie, Bennett, Haberstroh, Browning, and Feazell did not have nearly the far reaching application as McConnell since they only concerned single aggravating circumstances, and this Court did not even mention retroactivity in those cases.

The state may argue that a rule that could be found to be harmless error can never be held retroactive, but that very argument has been rejected in the context of federal

As this Court noted in McConnell, Nev. Rev. Stat. § 200.033(4) includes five felonies and Nev. Rev. Stat. § 200.033(13) adds first-degree murders committed during the commission of a sexual assault or sexual abuse of a child. Sec 102 P.3d at 623.

CHRISTOPHER R. ORAM

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habeas corpus proceedings where the stringent Teague v. Lane, 489 U.S. 288 (1989) standard applies. See Bockting v. Bayer, 399 F.3d 1010, 1020 (9th Cir.) (rejecting argument that "rules of constitutional law subject to harmless error review can never be considered bedrock rules of procedure"), amended on denial of rehearing, 408 F.3d 1127 (9th Cir. 2005). Unlike the narrower federal habeas standard, it is much easier to understand that a constitutional rule can be harmless error and at the same time qualify as a rule without which the accuracy of the proceedings are seriously diminished in state habeas proceedings. In summary, it is apparent that this Court's decision in McConnell increases the accuracy of capital sentencing proceedings to such an extent that it should be considered retroactive under Colwell.

#### E. THE IMPROPER AND UNCONSTITUTIONAL AGGRAVATING CIRCUMSTANCE IS NOT HARMLESS ERROR.

The State may argue that Lowenfield-McConnell should not be applied here because the state argued at trial that Mr. Rippo was guilty under both premeditation and felony-murder theories. The jury was not given a special verdict form, however, and it is therefore impossible to know whether all of the jurors found Mr. Rippo guilty under a theory of premeditation and deliberation. Both theories were presented and argued to the jury, the jury was instructed on both theories, and it is certainly possible that the jury could have based its decision upon this theory. Unlike the defendant in McConnell, Mr. Rippo did not plead guilty to premeditated murder and has never stated that he committed any offense with premeditation and deliberation. Cf. McConnell, 102 P.3d at 620 (finding harmless error when defendant pleaded guilty and stated in his plea hearing that "[n]othing

CHRISTOPHER R. ORAM 520 South Fourth Street. Second Floor Las Vegas, Nevada 89101 justifies cold-blooded, premeditated, first-degree murder, which is what I did.").

Nevada is a "weighing" state, i.e., a state in which the existence of an aggravating factor is a necessary predicate to death eligibility, and in which the ultimate sentencing decision turns on the weighing of statutory aggravating factors against the mitigating evidence. In a weighing state where the aggravating and mitigating circumstances are balanced against each other, it is constitutional error for the sentence to give weight to an unconstitutional factor, even if other valid factors remain. Accordingly, Mr. Rippo's sentence of death must be vacated.

#### CONCLUSION

Based on the foregoing Mr. Rippo would respectfully request that this Court reverse his convictions based on violations of the Fifth, Sixth, and Fourteenth Amendments to the United States Constitution.

DATED this 12 day of Culturator 2005.

Respectfully submitted by:

CHRISTOPHER R. ORAM, ESO.

Nevada Bar No. 004349

520 South Fourth Street, Second Floor

Las Vegas, Nevada 89101

Attorney for Appellant

# CHRISTOPHER R. ORAM 520 South Fourth Street. Second Floor Las Vegas, Nevada 89101

#### CERTIFICATE OF COMPLIANCE

I hereby certify that I have read this appellate brief, and to the best of my knowledge, information, and belief, it is not frivolous or interposed for any improper purpose. I further certify that this brief complies with all applicable Nevada Rules of Appellate Procedure, in particular NRAP 28(e), which requires every assertion in the brief regarding matters in the record to be supported by appropriate references to the record on appeal. I understand that I may be subject to sanctions in the event that the accompanying brief is not in conformity with the requirements of the Nevada Rules of Appellate Procedure.

DATED this 2 day of December, 2005.

Respectfully submitted by,

CHRISTOPHER R. ORAM, ESQ. Nevada Bar No. 004349 520 S. Fourth Street, 2nd Floor Las Vegas, Nevada 89101 (702) 384-5563 Attorney for Appellant

520 South Fourth Street, Second Floor Las Vegas, Nevada 89101

CHRISTOPHER R. ORAM 

CERTIFICATE OF MAILING

I hereby certify that I am an employee of CHRISTOPHER R. ORAM, ESQ., and that on the Day of December, 2005, I did deposit in the United States Post Office, at Las Vegas, Nevada, in a sealed envelope with postage fully pre-paid thereon, a true and correct copy of the above and foregoing APPELLANT'S SUPPLEMENTAL BRIEF, addressed to:

David Roger District Attorney 200 S. Third Street, 7th Floor Las Vegas, Nevada 89155

Brian Sandoval Attorney General 100 North Carson Street Carson City, Nevada 89701-4717

1 2 3 4 5 6	EXH FRANNY A. FORSMAN Federal Public Defender State Bar No. 0014 GARY A. TAYLOR Assistant Federal Public Defender Nevada Bar No. 11031C NISHA N. BROOKS Assistant Federal Public Defender Nevada Bar No. 11032C 411 East Bonneville Avenue, Suite 250	FILED SEP 1 8 2003
7 8	Las Vegas, NV 89101 Phone: (702) 388-6577 Fax: (702) 388-5819	
9	Attorneys for Petitioner	
10	DISTRIC	T COURT
11	CLARK COUN	ITY, NEVADA
12	WILLIAM P. CASTILLO,	Case No. C133336 Dept. No. XVIII
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14	Petitioner,	EXHIBITS TO PETITION FOR WRIT
15	vs.	OF HABEAS CORPUS
16	E. K. McDANIEL, Warden, and CATHERINE CORTEZ MASTO, Attorney General of the State of Nevada,	(Death Penalty Habeas Corpus Case)
17 18	Respondents.	(Doddi'i Charty Indoods Corpus Case)
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1	EXH FRANNY A.		
2	Federal Public Defender State Bar No. 0014		
3		leral Public Defender	
5	Nevada Bar No. 11031C NISHA N. BROOKS		
6	Assistant Federal Public Defender Nevada Bar No. 11032C		
7	Las Vegas, N Phone: (702)	neville Avenue, Suite 250 IV 89101	
8	Fax: (702) 38	38-5819	
9	Attorneys for	Petitioner	
10		DISTRIC	Γ COURT
11		CLARK COUN	ITY, NEVADA
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15	VS.		OF HABEAS CORPUS
16 17	Attorney General of the State of Nevada. (Death Penalty Habeas Corpus Case)		
18	Respondents.		
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	Exhibit No.	Description	
21	1.	Judgment of Conviction, State November 12, 1996	v. Castillo, Clark County, Case No. C133336,
23	2.	Indictment, State v. Castillo, C 1996	lark County, Case No. C133336, January 19,
24	3.	Order of Annointment of Coun	sel, State v. Castillo, Clark County, Case No.
25		C133336, March 14, 1996	, <u></u>
26	4.	Amended Indictment, State v. C 29, 1996	astillo, Clark County, Case No. C133336, May
27 28	5.	Special Verdict, State v. Ca September 25, 1996	stillo, Clark County, Case No. C133336,
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1	6.	Special Verdict, State v. Castillo, Clark County, Case No. C133336, September 25, 1996
3	7.	Verdict, State v. Castillo, Clark County, Case No. C133336, September 25, 1996
4	8.	Guilty Plea Agreement, State v. Michele C. Platou, Clark County, Case No. C133336, September 26, 1996
5 6	9.	Notice of Appeal, State v. Castillo, Clark County, Case No. C133336, November 4, 1996
7 8	10.	Appellant's Opening Brief, <u>Castillo v. State</u> , Nevada Supreme Court, Case No. 29512, March 12, 1997
9	11.	Appellant's Reply Brief, <u>Castillo v. State</u> , Nevada Supreme Court, Case No. 29512, May 2, 1997
10 11	12.	Petition for Rehearing, <u>Castillo v. State</u> , Nevada Supreme Court, Case No. 29512, August 21, 1998
12	13.	Order Denying Rehearing, <u>Castillo v. State</u> , Nevada Supreme Court, Case No. 29512, November 25, 1998
13 14	14.	Petition for Writ of Habeas Corpus, <u>Castillo v. State</u> , Clark County, Case No. C133336, April 2, 1999
15	15.	Opinion, Castillo v. State, Nevada Supreme Court, Case No. 29512, April 2, 1998
16 17	10.	Supplemental Brief In Support of Defendant's Petition for Writ of Habeas Corpus (Post-Conviction), Castillo v. State, Clark County, Case No. C133336, October 12, 2001
18 19	11/.	Notice of Appeal, Castillo v. State, Clark County, Case No. C133336, February 19, 2003
20	1.0	Findings of Fact, Conclusions of Law and Order, Castillo v. State, Clark County, Case No. C133336, June 11, 2003
21 22	19.	Appellant's Opening Brief, <u>Castillo v. State</u> , Nevada Supreme Court, Case No. 40982, October 2, 2003
23	20.	Order of Affirmance, <u>Castillo v. State</u> , Nevada Supreme Court, Case No. 40982, February 5, 2004
2-		VOLUME 2 OF 15
25	21.	Notice of Intent to Seek Indictment, LVMPD Event No. 951217-0254,
26		December 26, 1996
27		Notice of Intent to Seek Death Penalty, State v. Castillo, Clark County, Case No. C133336, January 23, 1996
28	<b>S</b>	

1	23.	Instructions to the Jury, State v. Castillo, Clark County, Case No. C133336, September 4, 1996
3	24.	Verdict, State v. Castillo, Clark County, Case No. C133336, September 4, 1996
4	25.	Instructions to the Jury, State v. Castillo, Clark County, Case No. C133336, September 25, 1996
6	26.	Lewis M. Etcoff, Psychological Evaluation, July 14, 1996
7	27.	Declaration of Herbert Duzant
8	28.	Declaration of Joe Castillo
9	29.	Declaration of Barbara Wickham
10	30	Declaration of Regina Albert
11	31	Declaration of Cecilia Boyles
12	32	. Declaration of Ramona Gavan-Kennedy
13	22	. Declaration of Michael Thorpe
14	1 2.1	. Declaration of Yolanda Norris
15	35	. Declaration of Lora Brawley
16	36	. Evaluation Report by Rebekah G. Bradley, Ph.D.
17	, 37	Curriculum Vitae of Rebekah G. Bradley, Ph.D.
18	38	Contidential Forensic Report by Jonathan H. Mack, Psy.D.
19	39	Curriculum Vitae of Jonathan H. Mack, Psy.D.
20	0	VOLUME 3 OF 15
2	1 40	). Declaration of Kelly Lynn Lea
2:	2 4	Declaration of Dale Eric Murrell
2	3 4:	Declaration of Lewis M. Etcoff, Ph.D.
2	4 4	3. Declaration of Mary Kate Knowles
2	5 4	4. Declaration of Herbert Duzant
2	6 4	David M. Schieck, Esq. Client Billing Worksheet (2/29/96-11/4/96)
2	7 4	6. Affidavit of Vital Statistics, <u>Barbara Margaret Thorpe v. William Patrick Thorpe, Sr.</u> , State of Missouri, County of St. Louis, September 14, 1973
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-	17.	William P. Thorpe, Sr. Missouri Department of Corrections with Fulton State Hospital records
3	<b>18.</b>	Catholic Services for Children and Youth, Catholic Charities, Archdiocese of St. Louis, records of Max Allen Becker, Yolanda Becker, and Barbara Becker, children of Allegria Dehry-Becker and Robert Becker
5	49.	Divorce proceedings, <u>Barbara Castillo v. Joe Castillo</u> , Clark County, Nevada, Case No. D121396
- 4	50.	Charles Sarkison, Attorney at Law, records of representation of Barbara M. Wickham, formerly, Barbara Becker-Thorpe-Castillo-Sullivan:
7 8		<ul> <li>Custodial proceedings regarding William Patrick Thorpe, Jr. (now William Patrick Castillo), pages 2-25</li> <li>Divorce proceedings regarding William Patrick Thorpe, Sr., pages 26-</li> </ul>
10		• Personal injury lawsuit for accident on 4/10/74, pages 49-69
11		VOLUME 4 OF 15
12	51.	Missouri Certification of Death, William P. Thorpe, Sr. (Date of Death: July 17, 1984)
13	52.	Missouri Criminal Court records Re: William Patrick Thorpe, Sr.
14	53.	Arturo R. Longoro, M.D Medical records of Yolanda Norris, formerly Yolanda Becker
15	54.	Lewis M. Etcoff, Ph.D. records Re: William Patrick Castillo
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18	55.	Order for Adoption, In the Matter of the Adoptive Petition of Joe L. Castillo and Barbara Castillo, Clark County, Nevada, Case No. D40017, January 15,
19		1982
20	56.	St. Louis Post-Dispatch, news article "Police Keeping Their Eyes Peeled At New Downtown Massage Parlor," September 19, 1976
21	57.	St. Louis Globe-Democrat news article, "His home is a prison cell and his life
22		is a waste," November 7, 1973
23	58.	Children's Hospital of St. Louis medical records on William P. Thorpe, Jr.
24	59.	Oasis Treatment records, 6/9/81-9/11/81
25	60.	Coordinator's Contact Record, 9/14/81-12/15/81
26	61.	Confidential Psychological Evaluation, performed May 24, 1982
27	62.	Las Vegas Mental Health Center, Psychiatric Evaluation, dated July 7, 1982
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	63.	Abandonment proceedings, In the Interest of William P. Thorpe, Jr., Family Court of St. Louis, Case No. 56644
3	64.	State of Nevada, Department of Human Resources, Division of Child and Family Services, Child Abuse reports
4	65.	Nevada Youth Training Center Records
5	66.	Catholic Services for Children and Youth, Catholic Charities, Archdiocese of St. Louis, records of William P. Thorpe, Jr.
6	67.	Independence High School records of William Patrick Castillo
7 8	68.	Missouri Baptist Hospital, medical records of Barbara M. Thorpe, 8/11/76
9	69.	State of Nevada Children's Behavorial Heath Services records of William Patrick Castillo (formerly William Patrick Thorpe, Jr.)
10 11	70.	Castillo Family Video Recordings: 12/25/1983, 12/28/83 (William P. Castillo's birthday), 12/24/84, 12/25/84, 12/28/84 (William P. Castillo's birthday) - MANUALLY FILED
12 13	'1.	Acadia Neuro-Behavioral Center, P.A., Richard Douyon, M.D. records of Yolanda Norris (formerly Yolanda Becker)
12	1 77	News article, "Police hunt Florissant gang members"
1.5	72	William P. Castillo's family tree
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ľ	7.1	Historical View, Life of William Castillo
l	75.	State of Nevada Department of Health and Human Services Health Division letter dated May 11, 2008
	76.	Las Vegas Metropolitan Police Department Detention Bureau Record of Visitors 12/21/95-8/16/96
2	77.	Ely State Prison Visiting Record 1997-2008
	78.	Jeffrey Fagan, Deterrence and the Death Penalty: A Critical Review of New Evidence, January 21, 2005, at http://www.deathpenaltyinfo.org
	79.	Juvenile Division, In the Matter of William P. Castillo aka William P. Thorpe, Clark County, Nevada, Case No. J26174
-	25	• Order, July 30, 1982, pg. 1
-	26	<ul> <li>Parents Treatment Agreement, July 30, 1982, pgs. 2-3</li> <li>Reporter's Transcript of Hearing in Re: Report and Disposition, July</li> </ul>
	27	29, 1982, pgs. 4-9 Transcript of Proceedings, Report and Disposition, December 7, 1982,
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