



DOCUMENT SPLIT INTO MULTIPLE PARTS

IN THE DISTRICT COURT OF CLEVELAND COUNTY

PART A

STATE OF OKLAHOMA

STATE OF OKLAHOMA, ex rel.,  
MIKE HUNTER,  
ATTORNEY GENERAL OF OKLAHOMA,  
Plaintiff,

vs.

PURDUE PHARMA L.P., et al.,  
Defendants.

Case No. CJ-2017-816

Honorable Thad Balkman

**DEFENDANTS' MOTION TO EXCLUDE TESTIMONY OF JOHN L. DUNCAN, PH.D.  
AND BRIEF IN SUPPORT**

STATE OF OKLAHOMA }  
CLEVELAND COUNTY } S.S.

FILED

APR 23 2019

In the office of the  
Court Clerk MARILYN WILLIAMS

Defendants<sup>1</sup> move this Court for an order pursuant to 12 O.S. §§ 2702-2705 excluding testimony of the State’s purported expert witness John L. Duncan about (1) the purported effects of Defendants’ opioid marketing on opioid prescribing in Oklahoma and Oklahoma law enforcement efforts and (2) any purported causes of the opioid epidemic in Oklahoma. Duncan, a former martial arts instructor and retired police officer, holds a doctorate in philosophy. He has no training in marketing or statistics. He therefore lacks the qualifications to offer opinions on causation or the effects of marketing. Moreover, none of Duncan’s marketing or causation opinions are based on reliable information or methods. Duncan instead relies entirely on anecdotal evidence from his personal experiences with Purdue—a manufacturer no longer party to this litigation—then purports to extrapolate to Defendants based on a handful of documents he reviewed for the first time the day before his deposition. Such insufficiently grounded “expert” testimony is inadmissible, and the Court should exclude it.

### **BRIEF IN SUPPORT**

In support of this Motion, Defendants show the following:

#### **I. INTRODUCTION**

Oklahoma law requires the Court to exclude an expert’s opinion unless he has both the qualifications necessary to offer and a reliable basis for *that particular opinion*. Duncan has neither. He opines that Defendants’ marketing “successfully influenced the understanding of prescribers and State law enforcement officials” about opioids. Ex. A, Dec. 21, 2018 State’s Expert Witness Disclosure of John Duncan, PhD (“Duncan Disc.”) at 1. Duncan also opines on the

---

<sup>1</sup> “Defendants” includes Teva Pharmaceuticals USA, Inc., Cephalon, Inc., Watson Laboratories, Inc., Actavis LLC, Actavis Pharma, Inc., Johnson & Johnson, Janssen Pharmaceuticals, Inc., Ortho-McNeil-Janssen, Pharmaceuticals, Inc., n/k/a Janssen Pharmaceuticals, Inc., and Janssen Pharmaceutica, Inc., n/k/a Janssen Pharmaceuticals, Inc.

“cause ... of the opioid crisis in Oklahoma.” *Id.* But Duncan has no expertise in marketing, statistics, or establishing causality. *Id.* at 5; Ex. B, Mar. 27, 2017 Deposition of John Duncan (“Duncan Dep.”) 44:11-17. And Duncan relies on no data or calculations that could establish the effects of marketing or causality; instead, he relies on personal anecdotes to make sweeping generalizations about opioid marketing and its effects. *See, e.g., id.* 154:1-12, 155:3-24. Even if personal anecdotes were a reliable basis or method for opining on the effects of marketing or causation, Duncan admits that his personal anecdotes relate only to Purdue—not Janssen or Teva. *Id.* 172:1-174:18, 216:24-218:24. Duncan’s opinions on both subjects are thus inadmissible and must be excluded under Oklahoma law.

## II. LEGAL STANDARD<sup>2</sup>

Expert testimony is admissible only if it satisfies two requirements: the expert is qualified and the expert’s opinion is the product of a reliable basis and method. *See, e.g., Christian*, 2003 OK 10, ¶¶8-9, 14, 65 P.3d at 598-600 (adopting *Kumho Tire Co. v. Carmichael*, 526 U.S. 137 (1999), and *Daubert v. Merrell Dow Pharm., Inc.*, 509 U.S. 579 (1993), as providing “appropriate standards for Oklahoma trial courts in deciding the admissibility of expert testimony in civil matters”). First, the expert must be qualified by “knowledge, skill, experience, training or education” to offer the particular opinion in question. 12 O.S. § 2702; *see Alexander v. Smith & Nephew, P.L.C.*, 98 F. Supp. 2d 1287, 1292-93 (N.D. Okla. 2000). Second, the testimony must be reliable, meaning (a) the opinion is “based upon sufficient facts or data,” (b) it is “the product of reliable principles and methods,” and (c) “[t]he witness has applied the principles and methods

---

<sup>2</sup> Because Oklahoma’s statutes governing expert testimony parallel the language of the Federal Rules of Evidence in all relevant respects, Oklahoma courts look to cases interpreting the federal rules to interpret Oklahoma law governing expert testimony. *See, e.g., Nelson v. Enid Med. Assocs., Inc.*, 2016 OK 69, ¶¶10-60, 376 P.3d 212, 216-31; *Christian v. Gray*, 2003 OK 10, ¶¶8-9, 65 P.3d 591, 597-98; *compare* 12 O.S. §§ 2702-2705, *with* Fed. R. Evid. 702-705.

reliably to the facts of the case.” 12 O.S. § 2702; *accord Nelson*, 2016 OK 69, ¶¶10-14, 376 P.3d at 217. The party offering the expert testimony—here, the State—has the burden of showing by a preponderance of the evidence that the testimony is admissible. *Christian*, 2003 OK 10, ¶¶23-24, 65 P.3d at 603-04.

An opinion based only on speculative assumption and unsupported by reliable data must be excluded. *See, e.g., Guidroz-Brault v. Mo. Pac. R.R. Co.*, 254 F.3d 825, 829 (9th Cir. 2001) (expert may not rely on “unsupported speculation and subjective beliefs” (citing *Daubert*, 509 U.S. at 590)). A court thus must closely inspect how the expert arrives at his conclusions and exclude “opinion evidence that is connected to existing data only by the *ipse dixit* of the expert.” *Gen. Elec. Co. v. Joiner*, 522 U.S. 136, 146 (1997); *see also, e.g., Ex. C, Shank v. Whiting-Turner Contracting Co.*, No. 17-CV-446-JED-FHM, 2018 WL 6681223, at \*2 (N.D. Okla. Dec. 19, 2018) (“analytical gap” in expert’s testimony requires its exclusion under *Daubert*).

The State cannot meet these standards for Duncan’s testimony on marketing and causation.

### III. ARGUMENT

#### A. Duncan’s Testimony About The Supposed Effects Of Pharmaceutical Marketing On Prescribers And Law Enforcement Must Be Excluded

1. *Duncan Is Not Qualified To Opine On Pharmaceutical Marketing Or Its Effects*

Duncan is a credentialed philosopher with extensive knowledge on addiction—he has no training in marketing and has never taken a class on statistics or probability. Ex. A, Duncan Disc. at 5; Ex. B, Duncan Dep. 44:11-17. He nonetheless seeks to assert broadly that Defendants’ marketing “successfully influenced” Oklahoma prescribers and law enforcement officials at the Oklahoma Bureau of Narcotics (“OBN”). Duncan’s “knowledge, skill, experience, training[, and] education” do not qualify him to offer that opinion. *See* 12 O.S. § 2702. Indeed, he offers nothing

more than inadmissible lay opinions on marketing that the State attempts to dress up as expert testimony.

Courts across the country regularly hold that an expert must have specialized expertise to opine on the effects of marketing. This is especially so in a heavily regulated and complex environment like the pharmaceutical industry. For example, in *Pfizer Inc. v. Teva Pharmaceuticals USA, Inc.*, 461 F. Supp. 2d 271 (D.N.J. 2006), the court held that a rheumatologist was not qualified to opine on how pharmaceutical marketing affected doctors' choice between different drugs. *Id.* at 276. While the rheumatologist's medical expertise may have allowed him to opine on *general* factors that influence doctors' prescribing decisions, he was not qualified to opine on the *specific* effects of particular marketing efforts because he lacked "specialized expertise regarding sales or market analysis" and "had conducted no scientific studies or surveys concerning purchasing practices of other doctors in his field." *Id.* By contrast, in *Poosh v. Phillip Morris USA, Inc.*, 287 F.R.D. 543 (N.D. Cal. 2012), the court allowed an epidemiologist who had "published peer-reviewed articles on cigarette advertising and marketing" and who based his opinion on "original data" and "published articles" to opine on the effects of cigarette advertising. *Id.* at 552-53.

Like the expert excluded in *Pfizer*, Duncan lacks any "specialized expertise" in "market analysis." *See Pfizer Inc.*, 461 F. Supp. 2d at 276. And, in contrast to the qualified expert in *Poosh*, Duncan has not published any literature on pharmaceutical marketing. *See Poosh*, 287 F.R.D. at 552-53. Absent specialized expertise, a purported expert may not give "broad opinions on the prescribing practices" or other effects of marketing. *See Pfizer*, 461 F. Supp. 2d at 276. The Court should thus disqualify Duncan from testifying on this highly specialized topic.

## 2. *Duncan Provides No Reliable Basis For His Opinions About Marketing*

Duncan's opinion about marketing must also be excluded because it is not "based upon sufficient facts or data" and is not "the product of reliable principles and methods." *See* 12 O.S.

§ 2702. Having no training or experience in analyzing the effects of marketing, Duncan uses none of the tools a qualified expert would use to analyze the effects of marketing on Oklahoma doctors and law enforcement. He did not conduct any surveys, collect any data, or even interview anyone. In lieu of a reliable data-based analysis, Duncan offers personal anecdotes and unmathematical efforts to transform purported correlation into causation. Duncan's personal anecdotes are not a reliable basis for an expert opinion. And even if they were, Duncan admits that his personal experience relates *only to Purdue* and that he has no experience with the marketing campaigns of any other remaining Defendant.

a. *Duncan's Marketing Opinion Lacks Any Reliable Basis in Data*

Courts consistently require an expert to provide empirical data and analysis to support his assertions about the effects of pharmaceutical marketing. For instance, in *Pfizer*, the court held that a purported expert could not offer an opinion about the effects of pharmaceutical marketing on drug prescriptions when that purported expert "had conducted no scientific studies or surveys concerning purchasing practices of other doctors in his field." 461 F. Supp. 2d at 276. Similarly, in *Advanced Medical Optics, Inc. v. Alcon Inc.*, the court rejected a doctor's opinion about the causes of sales of a particular medical device because the doctor based his opinions only on personal observations of his colleagues' preferences and did not perform any survey research to determine if their views were widely shared. Ex. D, No. 03-1095-KAJ, 2005 WL 782809, at \*4 (D. Del. Apr. 7, 2005).

Duncan's opinion—based on no data whatsoever, much less a scientific study or survey—does not meet this standard. Duncan has not even *spoken* to any doctors or law enforcement officers about how marketing affected them. Ex. B, Duncan Dep. 211:10-17; 212:18-24; 293:14-17. In Duncan's words, he has not "talked to a prescriber at all and asked them whether they were influenced by" marketing. *Id.* 213:12-13. In fact, beyond his own personal experience with Purdue,

Duncan is “not aware of any specific prescribers or law enforcement officials at OBN who were convinced or assuaged by any marketing efforts by other defendants.” *Id.* 233:12-17. And Duncan admits that, while he was at OBN, he did not look at prescribing data from OSTAR (Oklahoma’s former Schedule II drug database) or its successor, the Prescription Monitoring Program (“PMP”)—and he certainly made no attempt to use OSTAR or PMP data to analyze the impact of pharmaceutical marketing. Ex. B, Duncan Dep. 297:4-21; *see also id.* 193:5-8 (admitting that OBN did not “draw statistics” about opioid prescribing at treatment centers).

Given his total lack of data, Duncan’s purported method for drawing a relationship between opioid marketing and its effects is unscientific and unreliable. Duncan commits the classic fallacy of confusing correlation with causation—he manufactures a conclusion about the effects of marketing from a mere coincidence in time between a marketing message and a change in behavior. *See id.* 294:16-18 (Duncan’s “method” for establishing the effects of pharmaceutical marketing is to observe the “proximity of them actually making that behavioral change and when they found this message, when they were told this new information”).

But even if he had data that would allow him to establish “proximity” between a marketing message and behavioral change, that *correlation* is not a reliable method for establishing that the marketing message *caused* the behavioral change. Even a well-supported, mathematically calculated correlation is not causation, and that is a central flaw in Duncan’s so-called method. *See Norris v. Baxter Healthcare Corp.*, 397 F.3d 878, 885 (10th Cir. 2005) (rejecting expert opinion that breast implants cause disease because opinion was based “solely on differential diagnosis and case studies”); *cf. In re Neurontin Mktg. & Sales Practices Litig.*, 712 F.3d 21, 42 (1st Cir. 2013) (accepting a linear regression model as a method for establishing the effects of pharmaceutical

marketing). Duncan admits as much, testifying that his “method” cannot produce “determinatively causal” results. Ex. B, Duncan Dep. 294:23-295:4.

b. *Duncan’s Personal Experiences With Marketing Are Insufficient Basis For His Opinion And Involve Only Purdue*

Duncan’s personal experiences with Purdue’s pharmaceutical marketing cannot save his marketing opinion. First, an individual’s personal experience is an insufficient basis for offering a broad opinion on the effects of marketing on large groups of people. Second, even if personal experience were sufficient, Duncan’s personal experience with opioid-related marketing is limited to Purdue’s marketing. He offers no reasonable method for extrapolating from his experience with Purdue to opine on other Defendants.

In an attempt to support his opinion that pharmaceutical marketing changed prescriber and law enforcement behavior, Duncan testified that he witnessed Purdue marketing to doctors and that he has a personal recollection that OBN deferred to allegedly Purdue-influenced medical professionals on appropriate opioid prescribing. Ex. B., Duncan Dep. 154:1-12, 155:3-24, 166:6-169:3. But courts hold that one person’s “personal experience” with pharmaceutical marketing is an insufficient basis for him to opine generally on others’ broader experiences with that marketing. *See, e.g., Pfizer*, 461 F. Supp. 2d at 277-78 (“The fact that [a doctor] received frequent visits from Pfizer representatives, and that several of *his* patients requested Celebrex prescriptions does not alone support a conclusion that Celebrex’s prescriptions were heavily influenced by advertising and promotion.” (emphasis in original)); Ex. E, *In re Trasyolol Prod. Liab. Litig.*, No. 08-MD-01928, 2010 WL 4052141, at \*7 (S.D. Fla. May 12, 2010) (excluding testimony on pharmaceutical marketing where the testimony was based only on the expert’s personal experience of the marketing). Duncan’s personal observations of Purdue’s marketing are insufficient to give him insight into how doctors and personnel at OBN in general reacted to that marketing.



Moreover, Duncan's personal experiences have nothing to do with Janssen or Teva. Courts routinely hold that a purported expert must have knowledge about a particular company or product to offer an admissible opinion on that company or product. *See, e.g., JFJ Toys, Inc. v. Sears Holdings Corp.*, 237 F. Supp. 3d 311, 323 (D. Md. 2017) (rejecting marketing opinion of purported expert with years of experience in toy sales because the expert lacked experience with the "particular" toy at issue); *R.F.M.A.S., Inc. v. So*, 748 F. Supp. 2d 244, 268 (S.D.N.Y. 2010) (rejecting jewelry industry CFO's opinion on why a retailer reduced its prices because he had no experience with that particular retailer).

Duncan's personal experience involves only Purdue. Ex. B., Duncan Dep. 172:1-174:18, 216:24-218:24 ("In my personal experience that, you know, the things that I was involved in, all I remember is the presence of Purdue Pharma people."). Duncan does not remember interacting with sales representatives from any Defendant other than Purdue. *Id.* 301:2-25. Duncan is not aware of any prescribers who were influenced by any Defendants other than Purdue. *Id.* 212:18-214:25. Duncan admits that he does not know of any doctors who were influenced in any way by Teva or Janssen. *Id.* 219:1-7, 292:1-10. Duncan is not even familiar with Janssen's opioid products, repeatedly referring to Nucynta as "lucynta." *Id.* 285:23, 286:4. And Duncan admits that he is not aware of any Defendants other than Purdue influencing OBN decision-making on opioids. *Id.* 234:9-235:5 ("[Defendants other than Purdue] did not influence -- directly influence OBN policy. No, sir.").

Duncan offers no reasonable method for extrapolating from his experience with Purdue to other Defendants. Duncan's only basis for comparing other Defendants to Purdue is that the State's counsel showed him "similar types of documentation" from other Defendants, leading to a vague "belief" that other Defendants and Purdue did "something similar." *Id.* 212:9-15. But the State

showed Duncan only 11 “similar types” of documents, each handpicked by the State. Ex. F, April 15, 2019 Letter. Duncan did not look at any of these documents until the day before his deposition, Ex. B, Duncan Dep. 274:13-15, and, during his deposition, Duncan could not recall key details, like whether certain Defendants were even represented in the documents, *e.g.*, *id.* 209:4-210:23 (responding to a question about whether he had seen Actavis documents: “Let me look at the list, and I can tell you from the list. I can’t remember them off the top of my head. I’m an old man.”). Duncan has done no analysis of any of the purported “similarities” between Purdue’s marketing and other Defendants’ marketing. When Duncan admits that “the value of that observation” regarding “similar things” occurring with other pharmaceutical companies “has [yet] to be determined,” *id.* 216:14-23, he is correct.

**B. Duncan’s Opinion On The Causes Of The Opioid Epidemic Is Inadmissible**

1. *Duncan Is Not An Expert In Causation*

Duncan also purports to offer an opinion on the “cause ... of the opioid crisis in Oklahoma.” Ex. A, Duncan Disc. at 1. But Duncan is even less qualified to opine on the cause of a complex epidemiological phenomenon than he is on pharmaceutical marketing’s effects on law enforcement and prescribers. Courts consistently exclude causation opinions offered by purported experts who lack medical or epidemiological expertise. *See, e.g., Haynes ex rel. Haynes v. Nat’l R.R. Passenger Corp.*, 319 F. App’x 541, 542 (9th Cir. 2009) (expert not qualified to opine that train travel causes deep-vein thrombosis given lack of expertise in “medicine, public health, epidemiology, DVT, or train travel”); *cf. Wagoner v. Exxon Mobil Corp.*, 813 F. Supp. 2d 771, 800 (E.D. La. 2011) (allowing a physician with a “substantial interest in epidemiology” to offer a general causation opinion). There is no reason for this Court to apply a different standard.

Duncan lacks any relevant qualifications. He has no training in epidemiology and has never taken a class on statistics or probability. Ex. A, Duncan Disc. at 5; Ex. B, Duncan Dep. 44:11-17. Duncan's training on analyzing cause and effect apparently consists of reading the works of a Scottish philosopher who died in 1776:

Q. (By Mr. Bartle) [D]uring the course of your education, Doctor, did you take any classes on cause and effect?

A. I read David Hume. ... I'm familiar with the philosophy of cause and effect.

Ex. B, Duncan Dep. 43:12-23. Eighteenth-century philosophy is interesting, but it in no way qualifies an expert witness to opine on epidemiological causation in 21st-century Oklahoma.

2. *Duncan Provides No Reliable Basis For His Opinion About The Cause Of The Opioid Epidemic*

Duncan also lacks any reliable basis or method for offering an opinion on the causes of the opioid epidemic. As the Oklahoma Supreme Court has emphasized, an "expert's opinion on causation must be more than *ipse dixit*." *Christian*, 2003 OK 10, ¶¶36-39, 65 P.3d at 607. Rather, the testimony must be "based upon a reliable method for determining causation," and his "conclusion" must be "analytically appropriate to that method." *Id.* For example, courts accept the use of a linear regression model to establish causation. *See, e.g., In re Neurontin*, 712 F.3d at 42 ("[R]egression analysis is a well-recognized and scientifically valid approach to understanding statistical data, and courts have long permitted parties to use statistical data to establish causal relationships.")

But, here, Duncan offers no reliable method. Without data or evidence, Duncan asserts that there was an "overlap" and a "sequential relationship" between the marketing he observed and Oklahoma's opioid epidemic. Ex. B, Duncan Dep. 186:17-187:2. Duncan "can't remember dates" for this supposed sequential relationship and admits he uses the term "opioid crisis" colloquially and is "not using it as an epidemiologist or someone that has an epidemiological study to back up

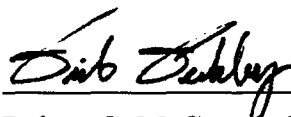
that word.” *Id.* 187:3-8, 19-24. And even if Duncan did use data, his observation of a “sequential” relationship would be insufficient to reliably establish causation. Again, *correlation* is insufficient, without more, to establish a *causal* relationship between marketing and prescribing. *Norris*, 397 F.3d at 885.

#### IV. CONCLUSION

For all these reasons, the Court should grant Defendants’ Motion to Exclude and issue an order barring the State from introducing Duncan’s testimony about both (1) the purported effects of Defendants’ opioid marketing on opioid prescribing in Oklahoma and Oklahoma law enforcement efforts and (2) any purported causes of the opioid epidemic in Oklahoma.

Dated: April 23, 2019

Respectfully submitted,



Robert G. McCampbell, OBA No. 10390  
Nicholas ("Nick") V. Merkley, OBA No. 20284  
Leasa M. Stewart, OBA No. 18515  
Jeffrey A. Curran, OBA No. 12255  
Kyle D. Evans, OBA No. 22135  
Ashley E. Quinn, OBA No. 33251

**GABLEGOTWALS**

One Leadership Square, 15th Fl.  
211 North Robinson  
Oklahoma City, OK 73102-7255  
T: +1.405.235.3314  
E-mail: [RMcCampbell@Gablelaw.com](mailto:RMcCampbell@Gablelaw.com)  
E-mail: [NMerkley@Gablelaw.com](mailto:NMerkley@Gablelaw.com)  
E-mail: [LStewart@gablelaw.com](mailto:LStewart@gablelaw.com)  
E-mail: [JCurran@Gablelaw.com](mailto:JCurran@Gablelaw.com)  
E-mail: [KEvans@gablelaw.com](mailto:KEvans@gablelaw.com)  
E-mail: [AQuinn@Gablelaw.com](mailto:AQuinn@Gablelaw.com)

**OF COUNSEL:**

Steven A. Reed  
Harvey Bartle IV  
Mark A. Fiore  
Rebecca Hillyer  
Evan K. Jacobs

**MORGAN, LEWIS & BOCKIUS LLP**

1701 Market Street  
Philadelphia, PA 19103-2921  
T: +1.215.963.5000  
E-mail: [steven.reed@morganlewis.com](mailto:steven.reed@morganlewis.com)  
E-mail: [harvey.bartle@morganlewis.com](mailto:harvey.bartle@morganlewis.com)  
E-mail: [mark.fiore@morganlewis.com](mailto:mark.fiore@morganlewis.com)  
E-mail: [rebecca.hillyer@morganlewis.com](mailto:rebecca.hillyer@morganlewis.com)  
E-mail : [evan.jacobs@morganlewis.com](mailto:evan.jacobs@morganlewis.com)

Nancy L. Patterson

**MORGAN, LEWIS & BOCKIUS LLP**

1000 Louisiana St., Suite 4000  
Houston, TX 77002-5006  
T: +1.713.890.5195  
E-mail: [nancy.patterson@morganlewis.com](mailto:nancy.patterson@morganlewis.com)

Brian M. Ercole  
Melissa M. Coates  
Martha A. Leibell  
**MORGAN, LEWIS & BOCKIUS LLP**  
200 S. Biscayne Blvd., Suite 5300  
Miami, FL 33131  
T: +1.305.415.3000  
E-mail: [brian.ercole@morganlewis.com](mailto:brian.ercole@morganlewis.com)  
E-mail: [melissa.coates@morganlewis.com](mailto:melissa.coates@morganlewis.com)  
E-mail: [martha.leibell@morganlewis.com](mailto:martha.leibell@morganlewis.com)

Collie T. James, IV  
**MORGAN, LEWIS & BOCKIUS LLP**  
600 Anton, Blvd., Suite 1800  
Costa Mesa, CA 92626  
T: +1.714.830.0600  
E-mail: [collie.james@morganlewis.com](mailto:collie.james@morganlewis.com)

Tinos Diamantatos  
**MORGAN, LEWIS & BOCKIUS LLP**  
77 W. Wacker Dr.  
Chicago, IL 60601  
T: +1.312.324.1000  
E-mail: [tinos.diamantatos@morganlewis.com](mailto:tinos.diamantatos@morganlewis.com)

Steven A. Luxton  
**MORGAN, LEWIS & BOCKIUS LLP**  
1111 Pennsylvania Ave., NW  
Washington, DC 20004  
T: +1.202.739.3000  
E-mail: [steven.luxton@morganlewis.com](mailto:steven.luxton@morganlewis.com)

*Attorneys for Defendants Cephalon, Inc.,  
Teva Pharmaceuticals USA, Inc., Watson  
Laboratories, Inc., Actavis LLC, and Actavis  
Pharma, Inc. f/k/a Watson Pharma, Inc. \*

/s/ John H. Sparks

John H. Sparks, OBA No. 15661  
Benjamin H. Odom, OBA No. 10917  
Michael W. Ridgeway, OBA No. 15657  
David L. Kinney, OBA No. 10875  
ODOM, SPARKS & JONES PLLC  
HiPoint Office Building  
2500 McGee Drive Ste. 140  
Norman, OK 73072  
Telephone: (405) 701-1863

Facsimile: (405) 310-5394  
Email: odomb@odomsparks.com  
Email: sparksj@odomsparks.com  
Email: ridgewaym@odomsparks.com  
Email: kinneyd@odomsparks.com

Larry D. Ottaway, OBA No. 6816  
Amy Sherry Fischer, OBA No. 16651  
Andrew Bowman, OBA No. 22071  
Jordyn L. Cartmell, OBA No. 31043  
Kaitlyn Dunn, OBA No. 32770  
FOLIART, HUFF, OTTAWAY & BOTTOM  
12th Floor  
201 Robert S. Kerr Avenue  
Oklahoma City, OK 73102  
Telephone: (405) 232-4633  
Facsimile: (405) 232-3462  
Email: larryottaway@oklahomacounsel.com  
Email: amyfischer@oklahomacounsel.com  
Email: andrewbowman@oklahomacounsel.com  
Email: jordyncartmell@oklahomacounsel.com  
Email: kaitlyndunn@oklahomacounsel.com

Of Counsel:

Charles C. Lifland (admitted *pro hac vice*)  
Wallace Moore Allan  
Sabrina H. Strong  
O'MELVENY & MYERS LLP  
400 S. Hope Street  
Los Angeles, CA 90071  
Telephone: (213) 430-6000  
Facsimile: (213) 430-6407  
clifland@omm.com  
Email: tallan@omm.com  
Email: sstrong@omm.com

Stephen D. Brody  
David Roberts  
O'MELVENY & MYERS, LLP  
1625 Eye Street NW  
Washington, DC 20006  
Telephone: (202) 383-5300  
Facsimile: (202) 383-5414  
Email: sbrody@omm.com  
Email: droberts2@omm.com

*Counsel for Johnson & Johnson; Janssen  
Pharmaceuticals, Inc.; Ortho-McNeil-Janssen  
Pharmaceuticals, Inc. n/k/a Janssen  
Pharmaceuticals, Inc.; and Janssen Pharmaceutica  
Inc. n/k/a Janssen Pharmaceuticals, Inc.*



**CERTIFICATE OF MAILING**

Pursuant to 12 O.S. § 2005(D), and by agreement of the parties, this is to certify on April 23, 2019, a true and correct copy of the above and foregoing has been served via electronic mail, to the following:

*Attorneys for  
Plaintiff*

---

Mike Hunter, Attorney General  
Abby Dillsaver, General Counsel  
Ethan Shaner, Dep. Gen. Counsel  
**ATTORNEY GENERAL'S OFFICE**  
313 N.E. 21st Street  
Oklahoma City, OK 73105

---

Bradley Beckworth  
Jeffrey Angelovich  
Lloyd Nolan Duck, III  
Andrew G. Pate  
Lisa Baldwin  
Brooke A. Churchman  
Nathan B. Hall  
**NIX, PATTERSON & ROACH**  
512 N. Broadway Ave., Ste. 200  
Oklahoma City, OK 73102

---

Glenn Coffee  
**GLENN COFFEE & ASSOCIATES, PLLC**  
915 N. Robinson Ave.  
Oklahoma City, OK 73102

---

---

Michael Burrage  
Reggie Whitten  
J. Revell Parrish  
**WHITTEN BURRAGE**  
512 N. Broadway Ave., Ste. 300  
Oklahoma City, OK 73102

---

Robert Winn Cutler  
Ross E Leonoudakis  
**NIX PATTERSON & ROACH**  
3600 N. Capital of Texas Hwy.  
Suite B350  
Austin, TX 78746

---

*Attorneys for Johnson  
& Johnson, Janssen  
Pharmaceutica, Inc.,  
N/K/A Janssen  
Pharmaceutica, Inc.,  
and Ortho-McNeil-  
Janssen  
Pharmaceutica, Inc.  
N/K/A Janssen  
Pharmaceutica, Inc.*

John H. Sparks  
Benjamin H. Odom  
Michael W. Ridgeway  
David L. Kinney  
**ODOM SPARKS & JONES**  
2500 McGee Drive, Suite 140  
Norman, OK 73072

Charles C. Lifland  
Jennifer D. Cardelus  
Wallace M. Allan  
Sabrina H. Strong  
Houman Ehsan  
Esteban Rodriguez  
Justine M. Daniels  
**O'MELVENY & MEYERS**  
400 S. Hope Street, 18<sup>th</sup> Floor  
Los Angeles, CA 90071

---

Stephen D. Brody  
David Roberts  
Emilie K. Winckel  
**O'MELVENY & MEYERS**  
1625 Eye Street NW  
Washington, DC 20006

---

Daniel J. Franklin  
Ross B Galin  
Desirae Krislie Cubero Tongco  
Vincent S. Weisband  
**O'MELVENY & MEYERS**  
7 Times Square  
New York, NY 10036

---

Amy R. Lucas  
Lauren S. Rakow  
Jessica L. Waddle  
**O'MELVENY & MEYERS**  
1999 Ave. of the Stars, 8<sup>th</sup> Fl.  
Los Angeles, CA 90067

---

Jeffrey A. Barker  
Amy J. Laurendeau  
Michael Yoder  
**O'MELVENY & MEYERS**  
610 Newport Center Drive  
Newport Beach, CA 92660

---

Larry D. Ottaway  
Amy Sherry Fischer  
Andrew Bowman  
Steven J. Johnson  
Kaitlyn Dunn  
Jordyn L. Cartmell  
**FOLIART, HUFF, OTTAWAY & BOTTOM**  
201 Robert S. Kerr Ave., 12th Fl.  
Oklahoma City, OK 73102

---

---

**Attorneys for Purdue  
Pharma, LP,  
Purdue Pharma, Inc.  
and The Purdue  
Frederick Company**

Sheila L. Birnbaum  
Mark S. Cheffo  
Hayden Adam Coleman  
Paul LaFata  
Jonathan S. Tam  
Lindsay N. Zanello  
Bert L. Wolff  
Mara C. Cusker Gonzalez  
**DECHERT, LLP**  
Three Bryant Park  
1095 Avenue of the Americas  
New York, NY 10036

---

William W. Oxley  
**DECHERT LLP**  
U.S. Bank Tower  
633 West 5th Street, Suite 4900  
Los Angeles, CA 90071

---

Britta E. Stanton  
John D. Volney  
John T. Cox, III  
Eric W. Pinker  
Jared D. Eisenberg  
Jervonne D. Newsome  
Ruben A. Garcia  
Russell Guy Herman  
Samuel Butler Hardy, IV  
Alan Dabdoub  
David S. Coale  
**LYNN PINKER COX & HURST**  
2100 Ross Avenue, Suite 2700  
Dallas, TX 75201

---

Erik W. Snapp  
**DECHERT, LLP**  
35 W. Wacker Drive, Ste. 3400  
Chicago, IL 60601

---

Meghan R. Kelly  
Benjamin F. McAnaney  
Hope S. Freiwald  
Will W. Sachse  
**DECHERT, LLP**  
2929 Arch Street  
Philadelphia, PA 19104

---

Jonathan S. Tam  
Jae Hong Lee  
**DECHERT, LLP**  
One Bush Street, 16th Floor  
San Francisco, CA 94104

---

Robert S. Hoff  
**WIGGIN & DANA, LLP**  
265 Church Street  
New Haven, CT 06510

---

Sanford C. Coats  
Joshua Burns  
**CROWE & DUNLEVY**  
324 N. Robinson Ave., Ste. 100  
Oklahoma City, OK 73102

---

  
Nick Merkley

**A**

# EXHIBIT A

**Exhibit E - Dr. John Duncan, Ph.D.**

**A. Dr. Duncan is expected to testify about the following subject matters:**

- The cause and early development of the opioid crisis in Oklahoma.
- The influence of Defendants' deceptive marketing campaign on Oklahoma State law enforcement efforts at the Oklahoma Bureau of Narcotics and Dangerous Drugs ("OBN").
- The effects of opioids on the human brain.

**B. Dr. Duncan is expected to testify about the following facts, and/or opinions:**

Prior to 1996, there was no opioid crisis in the State of Oklahoma. However, in the years that followed, the opioid addiction epidemic began to rear its head in Oklahoma. At all relevant times, OBN was vigilant in its efforts to curb drug diversion and abuse. Before the opioid crisis fully gripped the State of Oklahoma, OBN watchfully tracked the prescribing of Schedule II narcotics. Due to limited resources, OBN focused on the problems at hand within the budget it had. Over time, more resources would be dedicated to the growing opioid problem, which replaced previous drug diversion and trafficking problems in the State.

In the late 1990s and early 2000s, Defendants successfully influenced the understanding of prescribers and State law enforcement officials at OBN about safety of time-released opioids used to treat chronic pain by claiming they were significantly less addictive. Such efforts crafted change in the perspectives of both prescribers and regulators and, in fact, increased the overall availability opioids for both medicinal and non-medicinal use, which allowed the opioid crisis to grow silently. In particular, though prescribers and law enforcement had for decades viewed opioids as highly addictive and dangerous substances subject to diversion and trafficking, Defendants used medical education events, key opinion leaders, dinner events and other tactics

to convince both prescribers and law enforcement that long-acting opioids were not addictive because the long-acting formulation prevented the occurrence of a “high” and any perceivable pleasure from the drug would be absorbed by the patient’s pain due the steady, long-acting release mechanism.

Defendants’ deceptive message convinced and assuaged both prescribers and law enforcement at OBN that long-acting opioids were generally safe and non-addictive. As such, Defendants successfully influenced policy and decision making at OBN in a negative manner. In short, Defendants infiltrated the OBN policy and decision-making process, using State law enforcement a pawn in Defendants’ massive chess game aimed at increasing opioid prescribing in the State.

**C. The summary of the grounds for each opinion is as follows:**

Dr. Duncan worked at OBN for 22 years, where, as Chief Agent, he oversaw projects related to the diversion and trafficking of controlled pharmaceutical drugs, such as narcotic analgesics. Dr. Duncan was intimately involved in the policy and decision-making at OBN related to deterring abuse, diversion, and trafficking of controlled pharmaceuticals, including opioids. In his official capacity at OBN, Dr. Duncan was invited to numerous speaking events and dinners hosted by and paid for by the Defendants and at which Defendants promoted their opioid drugs as non-addictive. Through this experience, Dr. Duncan came to know many of the speakers employed or paid by the Defendants to disseminate this message on their behalf.

Prior to his career at OBN, Dr. Duncan was a police officer for the Norman Police Department, where he also became a member of the SWAT team.

In 1998 Dr. Duncan received a Ph.D. from The University of Oklahoma (“OU”) and now teaches at OU and OU Health and Sciences Center (better known as OU Med School). Among

other things, Dr. Duncan teaches first year medical students about the dangers of prescribing certain abusable pharmaceuticals and the effects of such pharmaceuticals on the human brain.

For additional experience, training, education, and other grounds for Dr. Duncan's testimony, see Dr. Duncan's *curriculum vitae*, attached hereto as Exhibit E-1.

**D. Dr. Duncan's Compensation**

Dr. Duncan is being compensated at the following rates: \$500 per hour for testimony and \$300 per hour for preparation.

**E. Dr. Duncan's Qualifications and Publications**

For Dr. Duncan's qualifications and a list of Dr. Duncan's recent publications please see Exhibits E-1.

**F. Dr. Duncan's Prior Testimony**

Dr. Duncan has not testified as an expert in any litigation in the previous four (4) years.



# **EXHIBIT E-1**

# John L. Duncan, Ph.D.

## *Curriculum Vitae*

---

### EDUCATION:

Independent Postdoctoral Research – 1999-2002. University of Oklahoma Health Sciences Center, Department of Psychiatry and Behavioral Sciences, College of Medicine. Conducted guided research in Neuro-psychology, focusing on the neurobiology of addiction and psychopharmacology of non-therapeutic drug use.

Ph.D. –Philosophy. University of Oklahoma: 1998. Dissertation: “Horizons of the Self: An Essay in the Socio-Semiological and Psychological Boundaries of Practical Autonomy.” Chair: Edward Sankowski.

M.A. –Philosophy. University of Oklahoma: 1980. Thesis: “Husserl’s Concept of Transcendental Subjectivity and the Life-World Horizon.” Chair: J.N. Mohanty.

B.A. (cum laude) – Philosophy/English (double major). North Texas State University: 1978. Thesis: “The Appeal to Intuition: Husserl, Bergson, and Santayana on the Foundations of Knowing.” Advisors: Richard Owsley and “Pete” A.Y. Gunter.

### ACADEMIC WORK EXPERIENCE:

The University of Oklahoma, College of Liberal Studies, 8/2007 until present. Full-time appointment, **Assistant Professor** of Cultural and Interdisciplinary Studies.

The University of Oklahoma, College of Liberal Studies, 1/96 to 8/2007. Adjunct **Assistant Professor**.

The University of Oklahoma Health Sciences Center, College of Medicine, Department of Psychiatry and Behavioral Sciences. 7/99 to present, **Clinical Associate Professor**.

The University of Oklahoma, Department of Philosophy. 5/78 to 5/81. **Graduate Teaching Assistant**.

North Texas State University, Department of Physics, Denton, Texas. 1/76 to 5/78. **Astronomy Lab Instructor**.

**LAW ENFORCEMENT (26 Years Experience, 23 Years of Narcotics Enforcement Experience) –Over 2500 hours of law enforcement training**

**Oklahoma State Bureau of Narcotics and Dangerous Drugs Control, 1/86 to present.**

**Chief Agent** - 1/94 to present. Chart division course-of-action by performing administrative functions in the planning, coordinating and evaluating of major programs. Establishes program goals and objectives and coordinates the efforts of mid-level managers and unit supervisors in achieving these. Reviews the overall operational effectiveness of division programs and recommends necessary changes for improvement; monitors and evaluates ongoing programs through analysis of statistical, fiscal, and other relevant data; prepares and administers the division budget and annual report. Developed the Pseudoephedrine control law that became the national model law.

Develop controls to assure accountability and for the implementation of and compliance with agency directives. Conducts programs needs assessment and directs studies of needs which include organizing meetings for area law enforcement input, for staff input and agency management input; reviews and analyzes projects for immediate and long-range program development.

Participates as a member of the administrative staff in the development of agency policy, procedures, and regulations; serves on special committees as required by the director. May serve as OBN representative to local, regional, and national committees and advisory boards; represents OBN before meetings and hearings.

Recommends and drafts modifications of legislation to further refine agency operation; reviews proposed legislation to determine potential impact on OBN programs. Designs and writes grant proposals, including mission, budget, and analysis of resources to create or augment major OBN projects. Serves as Acting Director as required.

**Agent in Charge** - 1/90 to 1/94. Supervised and directed the daily activities of the Oklahoma Bureau of Narcotics Intelligence Division agent personnel in accordance with the division mission of collecting raw drug intelligence, developing investigative leads, and disseminating documented intelligence information to law enforcement agencies nationwide.

Directed clandestine laboratory operations statewide. Researched, developed and reviewed agency policy and procedures regarding clandestine laboratories. Administered federal grants for drug lab equipment.

Directed the OBN firearms program, including qualification, policies, weapon selection, and purchasing of weapons and ammunition. Developed and administered federal grant for a statewide 'Narcotics Officer Judgmental Shooting Program'.

Commanded one of the OBN marihuana eradication tactical teams. These teams conduct armed, tactical operations against suspected marihuana cultivators throughout the state of Oklahoma.

**Senior Narcotics Agent** - 1/87 to 1/90. Planned and conducted investigations of persons engaged in illegal manufacture, diversion, importation, or sale of narcotics and dangerous drugs. Scope of investigations included multi-defendant conspiracies, Title III

electronic intercept, R.I.C.O., Clandestine laboratories, air smuggling, and pharmaceutical diversion.

Supervised agents on all narcotics operations. Developed and taught the OBN 40 hour Clandestine Laboratory Safety certification Program. Taught classes statewide and as a national consultant in narcotics investigation, undercover operations, surveillance, informant management, managing confidential funds, case development, and other courses. Served as OBN firearms instructor.

**Narcotics Agent** - 10/84 to 12/85. Conducted narcotics investigations. Served as OBN firearms instructor. Earned several awards and commendations.

**Norman Police Department, Norman, Oklahoma, 9/80 to 12/85.**

**Narcotics Agent** - 10/83 to 12/85. Worked in the Special Operations Unit of the Norman Police Department as an Undercover Narcotics Agent.

**Patrolman** -9/80 to 10/83. Attended the 20th Norman Police Training Academy and worked as a Patrolman on all shifts. Just prior to the Academy, I worked as a Norman Police Department Dispatcher for 2 months.

**ADULT EDUCATION AND PROFESSIONAL CONSULTANT EXPERIENCE:**

Private Consultant, 1987 to present.

The Institute for Intergovernmental Research, Inc., Jacksonville, Florida.  
Consultant/Instructor, 2002 to present.

The Circle, Inc., McClean, Virginia. Consultant/Instructor, 1994 to present.

Institute for Law and Justice, Alexandria, Virginia. Consultant/Instructor, 1987 to 1991.

National Institute of Drug Education and Training (NIDET), Tucson, Arizona.  
1985 to 1995. Principle Partner. Consultant/Instructor.

Texas Karate Institute, Dallas Texas. 5/69 to 11/76. Karate Instructor.

**CLINICAL SPECIALIZATION**

Psychopharmacology of Non-therapeutic Drug Use, Ethical Issues in Chronic Pain Management, Neuro-psychology of Addiction, Neuropsychological Theories of Mind.

**ACADEMIC SPECIALIZATION**

Philosophy of Psychology, Ethics, Phenomenology, Husserl, Heidegger

## ACADEMIC COMPETENCY

Twentieth Century Continental Thought, Postmodern French Thought, Bergson, History of Ethics, Philosophy in Literature, Cosmological Theories

## ACADEMIC AND TEACHING AWARDS

**2006:** "Recognition of Demonstrated Dedication by Volunteer Faculty to Excellence in Classroom Teaching 2005-2006," The Medical Student Education Program of the University of Oklahoma Health Sciences Center, Department of Psychiatry and Behavioral Sciences, Award of Appreciation.

**2004:** "Superior Teaching Award," University of Oklahoma College of Liberal Studies.

**2003:** "Kenneth E. Crook Distinguished Faculty Award," for Excellence in Teaching and Meritorious Service to the University. University of Oklahoma College of Liberal Studies.

**1981:** "Outstanding Academic Achievement" in the 20<sup>th</sup> Training Academy, Norman Police Department.

**1978** - Department of Philosophy Honor Student Award, North Texas State University.

## SPECIAL APPOINTMENTS

**2006-** Appointed as a representative to the Oklahoma State Epidemiological Workgroup

**2005:** Recognized as "Outstanding Alumni," by The University of North Texas.

**1999** -- Panelist at 8<sup>th</sup> Annual Oklahoma Center for Neuroscience (OCNS) Symposium "The Neurobiology of Addiction." (October 1, 1999).

**1999** -- Appointed Vice-Chairman of the State of Oklahoma Governor's Drug and Alcohol Policy Board.

**1996** - Named chief consultant for methamphetamine issues for the former Soviet block nations by the American Bar Association.

**1994** - Appointed to the Oklahoma Department of Mental Health and Substance Abuse Advisory Council on Substance Abuse.

**1991** - National Prosecutor's Research Association. Participated on National committee to draft national Model Precursor Chemical Control legislation.

**1991** - U.S. Drug Enforcement Administration (DEA). Appointed to national committee to review the Chemical Diversion and Trafficking Act of 1988 to recommend future directions and changes.

**1979** - University of Oklahoma representative to the National Conference on Corporate Ethics at SMU, Dallas.

## BOOKS AND MONOGRAPHS:

- (1) *The Curvature of Thought: Objectivity and the Limits of Human Imagination* (book-length manuscript, proposal out)
- (2) *Oklahoma State Drug Threat Assessment*. Monograph. State of Oklahoma, 2002.

- (3) *Model State Chemical Control Act*, Co-author. The White House. President's Commission on Model State Drug Laws, 1993.
- (4) *A Preliminary Analysis of the Crips and Bloods Street Gang Activity in Oklahoma*, Monograph. Strategic Intelligence assessment for the State of Oklahoma, 1991.
- (5) *Analysis of the Recent Decrease in Clandestine Lab Activity in Oklahoma*, Strategic Intelligence Assessment for the State of Oklahoma, 1990.
- (6) *Surviving Clandestine Labs*, Monograph. State of Oklahoma, 1989.
- (7) *Hazardous Materials and Clandestine Laboratory Raids*, Monograph. State of Oklahoma, 1987.

#### **JOURNALS, ARTICLES, AND BOOK CHAPTERS:**

- (1) "Law Enforcement and Regulatory Issues." *Weiner's Pain Management: A Practical Guide for Clinicians Weiner's* (7<sup>th</sup> Edition). 2005. Chapter 93, Pp. 1407-1415.
- (2) "The Dynamic Field of Human Autonomy: Chaotic Systems and the Interplay between Practical Autonomy and the Autonomy-Supporting Environment." Accepted Paper. 11<sup>th</sup> Annual International Conference for Chaos Theory in the Life-Sciences, University of Wisconsin. Madison, Wisconsin, August 3-6, 2001.
- (3) "Ripples on the Surface of Field-Being: Husserlian Horizons and Sheldrake's Morphic Fields." Invited Paper. Fifth Symposium on Field-Being and the Non-Substantialist Turn, Fairfield University, August 15-21, 2001.
- (4) "Encompassing Tao: Ontological Roots of Praxis in the Philosophies of Karl Jaspers and Lao-Tzu," Invited session paper. Karl Jaspers Society, held at The American Philosophical Association Eastern Meeting. December, 27, 2001.
- (5) "Heidegger's Fourfold: Mythic Horizons and the Foundation of Being." Invited paper and presentation. Conference on Heidegger and Religion, sponsored by the Foundation for Applied Phenomenology, Denton, Texas. March 2002.
- (6) "Clandestine Laboratories, Dynamic Systems, and the Deep Social Impact of Methamphetamine Abuse in Oklahoma," *Free Inquiry in Creative Sociology* (Special Issue, Spring 2001), Oklahoma State University, Oklahoma.
- (7) *A Guidebook for Phenomenological Workshops*, National Endowment for the Humanities (NEH) Grant Report. 1979.
- (8) *Dissertations in Phenomenology*, National Endowment for the Humanities (NEH) Grant Report. 1979.

#### **WORK IN PROGRESS:**

- (1) "Neurological Morbidity and the Behavioral Correlates of Methamphetamine Abuse." Submitted to *Addiction*, Blackwell Publishing Co., forthcoming.
- (2) *A Grain of Sand: Speculative Philosophy and the Limits of Human Knowledge*. (Book-length manuscript).
- (3) *Media, Coercion, and Freedom* (book proposal –partially completed manuscript).
- (4) *What You Should Know about Methamphetamine Abuse*, (book proposal, partial manuscript).

#### **BOOK REVIEWS:**

- (1) Book Review: *The Aesthetic Dimension: Toward a Critique of Marxist Philosophy*. Herbert Marcuse. *Southwestern Journal of Philosophy*. Spring 1982.
- (2) Book Review: *Phenomenology and the Foundations of the Sciences*. Edmund Husserl (Translated into English by Ted Klein). *Southwestern Journal of Philosophy*. Spring 1982.

#### **VOCATIONAL ARTICLES:**

- (1) "Meth Psychosis." (Reprint). *Georgia Peace Officer*, Spring 2002.
- (2) "Integrity as a Process of Organizational Culture," *The Oklahoma Police Chief*, Fall 2001.
- (3) "Preparing Police to Face a Complex Future," *The Oklahoma Peace Officer*, Spring 2001.
- (4) "Meth Psychosis." *Oklahoma Sheriff's and Peace Officer's Journal*, spring 2001.
- (5) "A Brief History of Methamphetamine." *Oklahoma Sheriff's and Peace Officer's Journal*, fall 2001.
- (6) "Oklahoma's Growing Epidemic of Clandestine Methamphetamine Laboratories," *Oklahoma Sheriff's and Peace Officer's Journal*, fall 2000.
- (7) "Tradition and the Individual Narcotic Agent," *Oklahoma Narcotics Officer*, Vol. 6, No1, summer 1999.
- (8) "The Police Officers' Mind," *Oklahoma Sheriff's and Peace Officer's Journal*, spring 1999.
- (9) "Law Enforcement Ethics: A Complex Issue," *Oklahoma Sheriff's and Peace Officer's Journal*, fall 1998.
- (10) "Targeting the Sources of Illegal Drugs," *A-ONE Journal*, summer 1993.
- (11) "Drug Lab Fires," *Oklahoma State Arson Investigator's Journal*, Spring 1993.  
Reprinted in numerous law enforcement and firefighter journals nationwide.

#### **GRANT SUPPORT: (Total \$5,361,206)**

- (1) 2006 – "Developing and Enhancing Prescription Drug Monitoring Laws," U.S. Department of Justice, Office of Justice Programs, Rodgers Grant, \$259,820.
- (2) 2006 – "Methamphetamine Laboratory Response Training and Methamphetamine Impact Study," Office of National Drug Control Policy, Community Oriented Policing, \$147,084.
- (2) 2005 – "Oklahoma Priority Targeting of Drug Offenders," Office of National Drug Control Policy, Community Oriented Policing, \$246,000.
- (3) 2005 – "Comprehensive Oklahoma Narcotic Tracking and Regulation On-Line (CONTROL)," U.S. Department of Justice, Rodgers Grant. \$350,000.
- (4) 2004 – "Internet-Guided Drug Education Program," Office of National Drug Control Policy, Community Oriented Policing, \$416,000.
- (5) 2004 – "Prescription Monitoring Program," U.S. Department of Justice, Rodgers Grant. \$350,000.
- (6) 2003 – "Physical Security Enhancement Program." State of Oklahoma, Office of Homeland Security, Oklahoma First Responder Equipment Program, Phase 10, \$21,500.

- (7) 2003 – “Command Post Radio Project.” State of Oklahoma, Office of Homeland Security, Oklahoma First Responder Equipment Program, Phase 9, \$38,500.
- (8) 2003 – “Clandestine Laboratory Enforcement Project (CLEP): A Multidisciplinary Solution to the Problems of Illegal Methamphetamine Laboratories in Oklahoma.” United States Department of Justice, Community Oriented Policing Program (COPS), \$412,302.
- (9) 2002 – “Clandestine Laboratory Enforcement Project (CLEP): A Multidisciplinary Solution to the Problems of Illegal Methamphetamine Laboratories in Oklahoma. (United States Department of Justice, Community Oriented Policing Program (COPS), \$1,000,000.
- (10) 2001 – “Lab Tracker: Clandestine Lab Tracking Project, “Byrne Memorial Fund (United States Bureau of Justice Assistance ‘Block Grant’ for narcotics enforcement), \$27,000. Administered through the Oklahoma State Bureau of Narcotics.
- (11) 1996 -- “Oklahoma Schedule Two Abuse Reduction Project (OSTAR),” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$225,000. Administered through the Oklahoma State Bureau of Narcotics.
- (12) 1995 -- “Oklahoma Schedule Two Abuse Reduction Project (OSTAR),” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$225,000. Administered through the Oklahoma State Bureau of Narcotics.
- (13) 1994 – “Oklahoma Schedule Two Abuse Reduction Project (OSTAR),” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$225,000. Administered through the Oklahoma State Bureau of Narcotics.
- (14) 1993 -- “Statewide Narcotics Intelligence Unit,” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$328,000. Administered through the Oklahoma State Bureau of Narcotics.
- (15) 1992 -- “Statewide Narcotics Intelligence Unit,” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$328,000. Administered through the Oklahoma State Bureau of Narcotics.
- (16) 1991 -- “Statewide Narcotics Intelligence Unit,” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$328,000. Administered through the Oklahoma State Bureau of Narcotics.
- (17) 1990 -- “Statewide Narcotics Intelligence Unit,” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$328,000. Administered through the Oklahoma State Bureau of Narcotics.
- (18) 1989 – “Narcotic Enforcement Judgmental Shooting,” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$200,000. Administered through the Oklahoma State Bureau of Narcotics.
- (19) 1989 – “Clandestine Laboratory Enforcement Program,” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$14,000. Administered through the Oklahoma State Bureau of Narcotics.
- (20) 1987 – “Clandestine Laboratory Safety Equipment,” Byrne Memorial Fund (United States ‘Block Grant’ for narcotics enforcement), \$200,000. Administered through the Oklahoma State Bureau of Narcotics.
- (21) 1979 - Awarded National Endowment for the Humanities grant: ‘Dissertations in Phenomenology’. (\$10,000) Report published by NEH. Administered through the Department of Philosophy, University of Oklahoma.



(22) 1979 – Awarded National Endowment for the Humanities grant: ‘Phenomenological Workshops’. (\$10,000) Report published by NEH. Administered through the Department of Philosophy, University of Oklahoma.

## MEDICAL AND ACADEMIC PRESENTATIONS

- (1) “The Neurobiology of Addiction and Differential Diagnosis of Drug-Addicted and Drug-Seeking Patients,” Invited presentation, Family and Community Medicine Interest Group, Sponsored by Oklahoma Academy of Family Physicians, at OUHSC College of Medicine, November 14, 2006.
- (2) “Methamphetamine Psychosis,” Clandestine Laboratory Investigator’s Association, Denver Colorado, September 20, 2006.
- (3) “Differential diagnosis of Drug-Seeking Behavior,” Invited Presentation, OUHSC College of Dentistry, September 5, 2006.
- (4) “Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse,” *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Rapid City, South Dakota, August 21-23, 2006.
- (5) “Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse,” *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Salina, Kansas, June 30-31, 2006.
- (6) “The Neurobiology of Addiction and Differential Diagnosis of Drug-Seeking Behavior for Dentists,” OUHSC College of Dentistry, Invited Presentation, June 19, 2006.
- (7) “Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse,” *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Kansas City, Missouri, June 13-16, 2006.
- (8) “Chronic methamphetamine Abuse and Treatment Decisions,” National Council of Nurse Administrators, Kansas City, Missouri, June 8, 2006.
- (9) “Methamphetamine Psychosis and Neuroadaptive Brain Damage,” Annual Primary Care Update, University of Oklahoma Health Sciences Center, Continuing Medical Education, May 18, 2006.
- (10) “Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse,” *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Bismark, North Dakota, May 15-17, 2006.
- (11) “Diversion of Pharmaceutical Drugs,” OUHSC College of Medicine, Oklahoma City, Oklahoma, February 22, 2006.
- (12) “Meth Psychosis,” Grand Rounds, OUHSC College of Medicine, Oklahoma City, Oklahoma, January 10, 2006.
- (13) “The Neurobiology of Addiction and Differential Diagnosis of Drug-Seeking Behavior,” University of Oklahoma College of Pharmacy, Oklahoma City, Oklahoma, October 27, 2005.
- (14) “Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse,” *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Salina, Kansas, August 23-24, 2005.

- (15) "Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse," *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in St. Louis, Missouri. August 2005.
- (16) "Meth Psychosis," Tulsa Community College, Law Enforcement Day. July 2005.
- (17) "Neurological Morbidity and Methamphetamine Abuse," Indian Health Service Annual Conference, Tulsa, Oklahoma. July 2005.
- (18) "Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse," *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Lincoln, Nebraska. July 2005.
- (19) "Meth Psychosis," Association of Oklahoma Narcotics Officers, July 2005.
- (20) "Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse," *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Bismark, North Dakota. June 2005.
- (21) "Meth Psychosis," St. Francis Hospital, Forensic Nursing Conference, Tulsa, Oklahoma. June 2005.
- (22) "Cocaine and the Brain: A Neurological Study," University of Oklahoma health Sciences Center, Department of Psychiatry and Behavioral Sciences, Chemical Dependency Fellowship. Oklahoma City, Oklahoma. May 2005.
- (23) "Meth Psychosis," Governor's Conference on Methamphetamine, Topeka, Kansas. May 2005.
- (24) "Meth Psychosis," North-Eastern Oklahoma Veterinary Medicine Association, Claremore, Oklahoma. May 2005.
- (25) "Differential Diagnosis of Drug-Seeking Behavior," Southwest Association of Family Medicine Conference, Oklahoma City, Oklahoma. May 2005.
- (26) "Neurobiological Effects of Methamphetamine," Primary Care Update Conference. Irwin H. Brown Office of Continuing Medical Education in conjunction with the University of Oklahoma Department of Family and Preventive Medicine. Oklahoma City, Oklahoma. May 2005.
- (27) "Husserl's Theory of Internal Time-Consciousness," Featured speech subsequent to award as the outstanding alumni, University of North Texas, Denton, Texas. April 2005.
- (28) "Meth Psychosis," Oklahoma Bar Association Conference, Oklahoma City, Oklahoma. March 2005.
- (29) "Effective Prescribing of Opioids for Chronic Pain," Oklahoma Primary Care Association. February 2005.
- (30) "Pseudoephedrine Control as the Gateway to Decreasing Meth Labs," Office of National Drug Control Policy, Community Oriented Policing, Orlando, Florida. January 2005.
- (31) "Pharmacy Law –Guarding Against Diversion of Controlled Substances," Southwestern State University, Weatherford, Oklahoma. December 2004.
- (32) "Effects of Chronic Methamphetamine Abuse," Oklahoma State Court of Appeals. Oklahoma City, Oklahoma. November 2004.
- (33) "Spotting Meth Labs," Oklahoma Vegetation Manager's Association Conference. Tulsa, Oklahoma. October 2004.
- (34) "Meth Psychosis," Clandestine Laboratory Investigator's Association Conference. Nashville, Tennessee. September 2004.

- (35) "Pseudoephedrine Control in Oklahoma as a National paradigm," United States Drug Enforcement Administration Annual Chemical Control Initiative. Boston, Massachusetts. September 2004.
- (36) "Meth Psychosis," Governor's Meth Summit, Lincoln, Nebraska. September 2004.
- (37) "Meth Psychosis," Oklahoma Conference on Child Abuse and Neglect. Tulsa, Oklahoma. September 2004.
- (38) "Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse," *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Wichita, Kansas. August 2004.
- (39) "Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse," *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Kansas City, Missouri. August 2004.
- (40) "Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse," *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Des Moines, Iowa. July 2004.
- (41) "Psychopharmacology of Street Drugs," Northeastern Oklahoma Veterinary Medicine Association. Claremore, Oklahoma. May 2004.
- (42) "Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse," *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Sioux Falls, South Dakota. June 2004.
- (43) "Meth Psychosis," Cherokee Nation Meth Conference. Tulsa, Oklahoma. April 2004.
- (44) "Clinical Effects of Chronic Drug Abuse," United States Bureau of Prisons Continuing Medical Education Meeting. Beaumont, Texas. March 2004.
- (45) "Meth Psychosis," University of Oklahoma health Sciences Center, Department of Psychiatry and Behavioral Sciences, Chemical Dependency Fellowship. Oklahoma City, Oklahoma. January 2004.
- (46) "Prescribing Opioids for the Treatment of Chronic Pain," Eastern Oklahoma Medical Association Conference. Muskogee, Oklahoma. December 2003.
- (47) "Chronic Pain as a Neurological Disease," Northeastern Oklahoma Medical Association. December 2003.
- (48) "Hazardous Chemicals Encountered in Raiding Illegal Meth Laboratories," Institute for Intergovernmental Research. Hickory, North Carolina. December 2003.
- (49) "Pseudoephedrine Control: The Key to Reducing Meth Labs," Office of National Drug Control Policy, Community Oriented Policing, Long Beach, California. November 2003.
- (50) "Pseudoephedrine, the Precursor of Methamphetamine," Oklahoma Wholesale Marketer's Association Conference. Tulsa, Oklahoma. September 2003.
- (51) "Hazardous Chemicals Encountered in Raiding Illegal Meth Laboratories," Institute for Intergovernmental Research. Coeur d'Alene, Idaho. October 2003.
- (52) "Neurological Functioning and Neuroadaptive Damage Caused by Drug Abuse," *Science-Based Drug Education*, developed on contract for the Office of National Drug Control Policy. Presented in Sioux City, Iowa. August 2003.

- (53) "Differential Diagnosis of Drug-Seeking Behavior," University of Oklahoma College of Dentistry, Invited presentation. August 2003.
- (54) "The Social and Community Impact of Methamphetamine-Related Brain Damage," Oklahoma Municipal League conference. Oklahoma City, Oklahoma. July 2003.
- (55) "Meth Psychosis," Oklahoma Bar Association, Meth Summit. Oklahoma City, Oklahoma. July 2003.
- (56) "Hazardous Chemicals Encountered in Raiding Illegal Meth Laboratories," Institute for Intergovernmental Research. Beaumont, Texas. July 2003.
- (57) "Chronic Pain and the Use of Opioid Therapy," Southwest Medical Center, Continuing Medical Education, invited presentation. Oklahoma City, Oklahoma. June 28, 2003.
- (58) "The Drug Threat in Oklahoma," Tulsa Veterinary Medical Association. Tulsa, Oklahoma. June 2003.
- (59) "Ecstasy and Cocaine: Proto-psychostimulants," Hillcrest Hospital Continuing Medical Education, invited presentation. Tulsa, Oklahoma. May 2003.
- (60) "Oklahoma's Drug Threat," 2003 governor's Health and Safety Conference. Shangri La, Oklahoma. May 2003.
- (61) "The Deeper Social Impact of Drug Abuse in Oklahoma," Oklahoma Municipal Judges conference, Continuing Legal Education. April 2003.
- (62) "Opioid Therapy in the Treatment of Chronic Pain," Oklahoma Spine Hospital Continuing Medical Education. March 26, 2003.
- (63) "Neurobiological and Behavioral Correlates of Methamphetamine, Cocaine, and MDMA," Invited Presentation. University of Oklahoma Health Sciences Center, College of Medicine. Oklahoma City, Oklahoma. March 5, 2003.
- (64) "Pharmaceutical Diversion and Spotting the Drug-Seeker: A Course in Differential Diagnosis," Invited Presentation. University of Oklahoma Health Sciences Center, College of Medicine. Oklahoma City, Oklahoma. February 26, 2003.
- (65) "New Trends in Stimulant Abuse," Invited Presentation. University of Oklahoma Health Sciences Center, Department of Psychiatry, "Chemical Dependency Fellowship," Oklahoma City, Oklahoma. January 31, 2003.
- (66) "Psychopharmacology of Addiction: The Psychoneurophysiological Model," Invited Presentation. Oklahoma State Department of Mental Health and Substance Abuse Services, "Annual Substance Abuse conference." Tulsa, Oklahoma. January 30, 2003.
- (67) "Differential Diagnosis of Drug-Seeking Behavior," Invited Presentation. Oklahoma State Board of Pharmacy, "Pharmacy Law Seminar," Oklahoma City, Oklahoma. December 1, 2002.
- (68) "Ethical Considerations in Chronic Pain Management," Invited Presentation. Oklahoma Association of Health Care Employees. Oklahoma City, Oklahoma. November 22, 2002.
- (69) "Methamphetamine Psychosis and The Drug-Induced Onset of Paranoid-Schizophrenia: New Research Perspectives," Invited Presentation. (Category 1 CME) Departmental Teaching Conference. Department of Psychiatry and Behavioral Sciences. University of Oklahoma Health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. October 23, 2002.

- (70) "The Problem with Opioids." Invited Presentation (Category 2 CME). Southwest Oklahoma Physician's Association. Lawton, Oklahoma. September 24, 2002.
- (71) "Methamphetamine and the Community: An Emerging Multidisciplinary Challenge." Invited Presentation. Oklahoma Municipal League. Tulsa, Oklahoma. September 19, 2002.
- (72) "Issues in Treating Patients for Chronic Pain." Invited Presentation. Oklahoma Pain Management Society. Oklahoma City, Oklahoma. September 10, 2002.
- (73) "Meth Psychosis: Oklahoma's Emerging Threat." Invited Presentation (Category 1 CME) Departmental Teaching Conference. Department of Psychiatry and Behavioral Sciences. University of Oklahoma Health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. September 5, 2002.
- (74) "America's Drug Culture." Television Program Invited Interview. Nationally Syndicated PBS program: *The Power of Ideas*. To be aired in Spring 2003. Filmed in Oklahoma City, Oklahoma. August 23, 2002.
- (75) "Methamphetamine Psychosis: A New Disease?" Invited presentation. (Category 1 CME) Hillcrest Memorial Hospital, Tulsa, Oklahoma. August 16, 2002.
- (76) "Curing Opioidophobia: Prescribing Opioids for the Treatment of Chronic Pain in a More Permissive Regulatory Environment." Invited presentation. (Category 1 CME) Jackson Memorial Hospital, Altus, Oklahoma. August 6, 2002.
- (77) "Using Control Drugs in the Practice of Dentistry." University of Oklahoma Health Sciences Center, College of Dentistry. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. Oklahoma City, Oklahoma. July 15, 2002.
- (78) "Drug Abuse Issues Facing Veterinarians," Invited Presentation, North Eastern Oklahoma Veterinarian's Association, Claremore, Oklahoma. May 23, 2002.
- (79) "The Psychopharmacological Characteristics of Opioid Addiction," Invited presentation. Human Behavior I lecture series, University of Oklahoma Health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. May 1, 2002.
- (80) "Chronic Pain and the Drug Seeker: New Strategies for Effective Management of Dual-Diagnosed Patients," Invited presentation, Tulsa Orthopedic Physician's Association, Tulsa, Oklahoma. April 25, 2002.
- (81) "Methamphetamine Psychosis: A New Disease?" Invited presentation. Human Behavior I lecture series, University of Oklahoma Health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. April 24, 2002.
- (82) "Unmasking the Drug Seeker: Confronting Pharmaceutical Diversion," Invited presentation. Human Behavior I lecture series, University of Oklahoma Health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. April 3, 2002.
- (83) "Methamphetamine Psychosis: A New Disease?" Invited presentation. Faculty lectures in Psychiatry and Neuroscience. University of Oklahoma Health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. March 7, 2002.

- (84) "The Bio-Physical-Social Model of Drug Addiction," Invited presentation, Criminal Justice Department, University of Central Oklahoma, Edmond, Oklahoma. January 29, 2002.
- (85) "Encompassing Dao: The *Dao de* of Karl Jaspers and the *Existenzphilosophie* of Laozi," Invited paper. Karl Jaspers society Meeting at the American Philosophical Association Eastern Division Meeting, Atlanta, Georgia. December 27, 2001.
- (86) "*αιεδια* And Flow: Husserl, Bergson, and the Search for Scientific Grounding within the Heraclitean Flux," Invited paper. Conference: "The Process and the Constitution of Creative Education: A symposium on Paideia," sponsored by the Foundation for Applied Phenomenology and Life-World Studies, University of North Texas, Denton, Texas. November 8-10, 2001.
- (87) "Meth Psychosis," Invited presentation, Community Mental Health Center, Oklahoma City, Oklahoma. October 17, 2001.
- (88) "Integrity and the Establishment of an Ethically-Supportive Environment in Police Culture," Invited presentation. Oklahoma Association of Chiefs of Police, Annual conference. Lake Murray Lodge, Oklahoma. October 5, 2001.
- (89) "Drug Diversion in Anesthesiology," Invited presentation. University of Oklahoma Health Sciences Center, College of Medicine, Department of Anesthesiology. Oklahoma city, Oklahoma. September 28, 2001.
- (90) "Curing Opioidphobia: Prescribing Opioids for the Treatment of Chronic Pain in a More Permissive Regulatory Environment." Invited presentation. Northwest Oklahoma Physician's Association, Guymon, Oklahoma. September 25, 2001.
- (91) "History, Current Trends and Philosophical Underpinnings of Opioid Regulation." Invited Paper. 12<sup>th</sup> Annual Clinical Meeting, American Academy of Pain Management. Arlington, Virginia. September 6-9, 2001.
- (92) "Oxycontin® in Oklahoma: Issues and Answers Regarding Its' Abuse Potential in Oklahoma." Invited presentation. Oklahoma Health Care Authority: Drug Utilization Review Board meeting. August 14, 2001.
- (93) "Meth Psychosis." Invited presentation. Oklahoma District Attorney's Association Annual Conference. Quartz Mountain Resort, Altus, Oklahoma. August 1, 2001.
- (94) "Curing Opioidphobia: Prescribing Opioids for the Treatment of Chronic Pain in a More Permissive Regulatory Environment." Invited presentation. Oklahoma Osteopathic Physician's Association, Tulsa, Oklahoma. July 24, 2001.
- (95) "Differential Diagnosis of Drug Seeking Behavior," Invited presentation. University of Oklahoma Health Sciences Center, College of Dentistry, presentation for the "externship" program for graduating seniors. July, 16, 2001.
- (96) "Meth Psychosis," Invited Presentation. Presentation for the Oklahoma Department of Mental Health and Substance Abuse Services. Monthly Board meeting. July, 13, 2001.
- (97) "Meth Psychosis," Invited Presentation. Presentation for Department of Sociology. East Central University. Ada, Oklahoma. June 21, 2001.
- (98) "Curing Opioidphobia: A Doctor's Survival Kit," Invited Presentation. Sponsored by Cameron University and accredited as Continuing Medical Education. Elk City Regional Hospital, Elk City, Oklahoma. June, 19, 2001.

- (99) "Meth Psychosis," Invited presentation. University of Oklahoma Health Sciences Center, Oklahoma Center for Alcohol and Drug-Related Studies: Second annual Oscar A. Parsons Summer Institute on Substance-Related Disorders. Oklahoma City, Oklahoma. June 11, 2001.
- (100) "Avoiding Problems in Pain Management through Effective Differential Diagnosis of Drug Seeking Behavior," Invited Presentation. The University of Oklahoma Health Sciences Center, College of Medicine, Department of Family Medicine and the Irwin H. Brown Office of Continuing Medical Education: 4<sup>th</sup> Annual Primary Care Update 2001. Oklahoma City, Oklahoma. May 2, 2001.
- (101) "Pharmaceutical Drug Diversion," Invited Presentation, Northeastern Oklahoma Veterinarian's Association, Claremore, Oklahoma. April 19, 2001.
- (102) "Differential Diagnosis of Drug-Seeking Behavior." Invited presentation, Human Behavior I, University of Oklahoma Health Sciences Center, College of Medicine, Department of Psychiatry and Behavioral Sciences. April 4, 2001.
- (103) "Neurological Morbidity and the Behavioral Correlates of Methamphetamine Abuse: A Focus on the Problems Facing the Incarcerated Abuser." Invited Paper, Academic Conference: "The Mentally Ill in the Criminal Justice System," Sponsored by the Department of Psychiatry and Behavioral Sciences, College of Medicine, University of Oklahoma Health Sciences Center. March 29, 2001.
- (104) "A Doctor's Survival Kit: Prescribing Pain Medications in a More Permissive Regulatory Environment." Shawnee, Oklahoma Country Club. Approved for Continuing Medical Education credit by the University of Oklahoma Health Sciences Center. March 22, 2001.
- (105) "Curing Opioidophobia: Prescribing Opioids for the Treatment of Chronic Pain in a More Permissive Regulatory Environment." Stillwater Country Club, Stillwater, Oklahoma. Approved for Continuing Medical Education credit by the University of Oklahoma Health Sciences Center. March 6, 2001.
- (106) "Treating Chronic Pain with Opioid Analgesics." Mercy Hospital, Neuroscience Institute, Oklahoma City, Oklahoma. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. February 19, 2001.
- (107) "Differential Diagnosis of Drug-Seeking Behavior." Edmond Regional Medical Center, Edmond, Oklahoma. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. February 10, 2001.
- (108) "Chaos, Dynamic Systems and the Deep Social Impact of Methamphetamine Abuse in Oklahoma." Oklahoma Sociological Association, annual conference, University of Oklahoma, Norman, Oklahoma. November 10, 2000.
- (109) "Prescribing Opioids for the Treatment of Chronic Pain." Enid Country Club, Enid, Oklahoma. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. November 9, 2000.
- (110) "Confronting Opioidophobia: A guide to the Use of Opioids for Pain Management." Grady County Memorial Hospital, Chickasha, Oklahoma. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. October 16, 2000.
- (111) "An Optometrists Guide to Drug Seekers and Their Tricks." Oklahoma Optometrists Association annual conference, Oklahoma City, Oklahoma. October 13, 2000.

- (112) "The Psychopharmacological Effects of Methamphetamine." University of Oklahoma Health Sciences Center, Oklahoma Center for Alcohol and Drug-Related Studies symposium, "Decade of the Brain." September 29, 2000.
- (113) "Social Concerns and Methamphetamine Abuse." University of Oklahoma Department of Sociology meeting. September 14, 2000.
- (114) "Differentially Diagnosing Drug-Seeking Behavior." University of Oklahoma Health Sciences Center, Family Practice, grand rounds. August 9, 2000.
- (115) "Pain Management Using Opioids." Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. Oklahoma City, Oklahoma. July 20, 2000.
- (116) "Pain Management Using Opioids." Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. Tulsa, Oklahoma. July 20, 2000.
- (117) "Using Control Drugs in the Practice of Dentistry." University of Oklahoma Health Sciences Center, College of Dentistry. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. Oklahoma City, Oklahoma. July 17, 2000.
- (118) "The Psychopharmacological Effects of Methamphetamine." Seminole State College, Department of Psychology (honor society meeting). Seminole, Oklahoma. July 12, 2000.
- (119) "Drug Seeking Behavior." University of Oklahoma Health Sciences Center, College of Dentistry. Tulsa, Oklahoma. June 27, 2000.
- (120) "Prescribing Opioid Analgesics for the Treatment of Chronic Pain." St. Francis Hospital, Laureate Center for Psychiatry. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. Oklahoma City, Oklahoma. June 19, 2000.
- (121) "Dynamic Systems and Patterns of Drug Abuse." Oklahoma Sociological Association, annual conference, University of Oklahoma, Tulsa, Oklahoma. June 15, 2000.
- (122) "Dealing with the Fear of Using Opioids for Treating Pain." Ada Country Club, Ada, Oklahoma. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. May, 30, 2000.
- (123) "Opioid Prescribing." Ardmore Medical Association, Ardmore, Oklahoma. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. May 17, 2000.
- (124) "Differential Diagnosis of Drug-Seeking Behavior." Human Behavior I, University of Oklahoma Health Sciences Center. March 29, 2000.
- (125) "Existentialism and Drug Abuse." University of Oklahoma Health Sciences Center, Department of Neuroscience, faculty lecture. Oklahoma City, Oklahoma. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. March 3, 2000.
- (126) "Medical Aspects of Drug Abuse." Tulsa Physician's Association. Tulsa, Oklahoma. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. February 16, 2000.
- (127) "Pain Medicine and Drug Abuse." Oklahoma State Medical Association. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. February 12, 2000.



- (128) "New Developments in Pharmacy Law." Oklahoma Pharmacy Association "Annual Pharmacy Law Seminar," Tulsa, Oklahoma. December 5, 2000.
- (129) "Existential Dimensions of Addiction: A New Way of Seeing an Old Problem." Department of Psychiatry and Behavioral Sciences, College of Medicine, University of Oklahoma Health Sciences Center. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. November 18, 1999.
- (130) "The Problem of Drug Diversion in Veterinary Practice." Oklahoma State University college of Veterinary Medicine, Stillwater, Oklahoma. October 21, 1999.
- (131) "An Existential Problem: Understanding Drug Abuse." Oklahoma Center for Neuroscience symposium "the Neurobiology of Addiction: Neural, Behavioral and Clinical Features. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. October 1, 1999.
- (132) "The Problem with Drug Diversion in the Practice of Pharmacy." Oklahoma State Pharmacy Association "Pharmacy Law Seminar." Tulsa, Oklahoma. August 8, 1999.
- (133) "Drug Diversion: Recognizing the Hidden Abuser." Human Behavior I, University of Oklahoma Health Sciences Center. July 30, 1999.
- (134) "Philosophical Aspects of Drug Abuse." University of Oklahoma Health Sciences Center, College of Medicine, Department of Psychiatry and Behavioral Sciences. Approved as Continuing Medical Education Credit through the University of Oklahoma Health Sciences Center. April 14, 1999.
- (135) "Drug Diversion and Avoiding Disciplinary Action in the Practice of Medicine." Human Behavior I, University of Oklahoma Health Sciences Center. April 1, 1999.
- (136) "A Dentists guide to Drug Diversion," University of Oklahoma Health Sciences Center, College of Dentistry. March 14, 1999
- (137) "Keeping an Eye on Drug Diversion: A guide for the Optometrist," Oklahoma Optometry Association, January 26, 1999.
- (138) "Pharmacists and Drug Diversion," University of Oklahoma Health Sciences Center, College of Pharmacy. November 3, 1998.
- (139) "Drug Diversion and the Practice of Medicine," Human Behavior I, University of Oklahoma Health Sciences Center. October 15, 1998.
- (140) "Dentistry and the Problem of Drug Diversion," University of Oklahoma Health Sciences Center, College of Dentistry, May 12, 1998.
- (141) "Differentially Diagnosing Drug Seekers," Human Behavior I, University of Oklahoma Health Sciences Center. April 21, 1998.
- (142) "Veterinarian's Guide to Problems with Drug Abuse," Oklahoma State board of Veterinary Medicine, Oklahoma City, Ok. January 9, 1998.
- (143) "Dealing with Drug Addicts," University of Oklahoma Health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. November 16, 1997.
- (144) "Drug Diversion and the Practice of Dentistry," University of Oklahoma Health Sciences Center, College of Dentistry, Oklahoma City, Oklahoma. March 23, 1997.

- (145) "How to Stay out of Trouble with Controlled Drugs," University of Oklahoma Health Sciences Center, college of Pharmacy, Oklahoma City, Oklahoma. , November 3, 1996.
- (146) "Differentially Diagnosing Drug Seeking Behavior," Human Behavior I, University of Oklahoma Health Sciences Center. April 16, 1996.
- (147) "Dentistry and the Problem of Drug Diversion," University of Oklahoma Health Sciences Center, College of Dentistry, Oklahoma City, Oklahoma. March 15, 1996.
- (148) "Pharmacy Law and Drug Diversion," University of Oklahoma Health Sciences Center, College of Pharmacy, Oklahoma City, Oklahoma. October 12, 1995.
- (149) "How to Spot Drug Seekers," Human Behavior I, University of Oklahoma Health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. May 15, 1995.
- (150) "Dentistry and Drugs: How to Avoid Problems When Prescribing Controlled Substances," University of Oklahoma health Sciences Center, College of Dentistry, Oklahoma City, Oklahoma. March 2, 1995.
- (151) "Pharmacy Law and Dangerous Drugs," University of Oklahoma Health Sciences Center, College of Pharmacy, October 3, 1994.
- (152) "Human Behavior and Drug Abuse," University of Oklahoma health Sciences Center, College of Medicine, Oklahoma City, Oklahoma. May 1, 1994.
- (153) "A Dentists Guide to Staying Out of Trouble with the Narcs," University of Oklahoma Health Sciences Center, College of Dentistry, Oklahoma City, Oklahoma. March 24, 1994.

## VOCATIONAL PRESENTATIONS

- (1) "Indian Country and Meth," Sovereignty Symposium, Oklahoma City, Oklahoma, June 1, 2006.
- (2) "Oklahoma's Pseudoephedrine Control Law," Prescription Drug Monitoring Program 3<sup>rd</sup> National Conference, Washington, District of Columbia, April 12, 2006.
- (3) "Meth Psychosis," DMH Training, Norman, Oklahoma, March 7, 2006.
- (4) "Meth Psychosis," Kansas Law Enforcement Training Academy, Wichita, Kansas, February 10, 2006.
- (5) "Oklahoma's Precursor Control Law" Canadian Drug Summit, Ottawa, Canada, November 12-14, 2005.
- (6) "Meth Psychosis," Native American Prevention Conference, Norman, Oklahoma, September 20, 2005.
- (7) "Drugs and the Brain," Career Tech, Tulsa, Oklahoma, September 16, 2005.
- (8) "Meth Psychosis," Clandestine Laboratory Investigator's Association, Omaha, Nebraska, September 13, 2005.
- (9) "Meth Psychosis," Tulsa Community College, July 28, 2005.
- (10) "The Drug Threat in Oklahoma," Rotary Club, Oklahoma City, Oklahoma, May 2005.
- (11) "Meth Psychosis," Healdton, Oklahoma, December 16, 2004.
- (12) "Meth Psychosis," DMH Training, Norman, Oklahoma, December 2, 2004.

- (13) "Meth Psychosis," Southern Technology Center, Ardmore, Oklahoma, November 12, 2004.
- (14) "Clandestine Laboratory Toxicology," Tahlequah, Oklahoma, November 3-4, 2004.
- (15) "How to Spot a Drug Lab," Oklahoma Vegetation Manager's Association Annual Conference, Tulsa, Oklahoma, October 6, 2004.
- (16) "Meth Psychosis," Career Tech Conference, Tulsa, Oklahoma, October 1, 2004.
- (17) "Meth Psychosis," Clandestine Laboratory Investigator's Association, Nashville, Tennessee, September 28, 2004.
- (18) "Meth and Drug Endangered Children," Oklahoma Conference on Child Abuse and Neglect, Oklahoma City, Oklahoma, September 10, 2004.
- (19) "Meth Psychosis," Nebraska Governor's Meth Summit, Lincoln, Nebraska, September 8, 2004.
- (20) "Ketamine Abuse," Oklahoma Animal Control Association, Lake Murray, Oklahoma, May 7, 2004.
- (21) "Meth Psychosis," Cherokee Nation, Tulsa, Oklahoma, April 28-29, 2004.
- (22) "Meth Psychosis," Drug Court Meeting, Seminole, Oklahoma, April 21, 2004.
- (23) "Drugs and the Brain," United States Federal Bureau of Prisons, Beaumont, Texas, March 22-24, 2004.
- (24) "Drugs in the Workplace," Republic Paper, Lawton, Oklahoma, January 2004.
- (25) "Clandestine Meth Laboratory Safety," Institute for Intergovernmental Research (IIR), Hickory, North Carolina, December 7-10, 2003
- (26) "The Cognitive Effects of Drugs," Invited Presentation for the Oklahoma County Drug Courts, November 18, 2003.
- (27) "Meth and the Brain," Leadership Oklahoma, McAlester, Oklahoma, November 7, 2003.
- (28) "Precursor Control Strategies," Community Oriented Policing Services, Long Beach, California, November 4, 2003.
- (29) "Clandestine Meth Laboratory Safety," Institute for Intergovernmental Research (IIR), Coeur D'Alene, Idaho, October 26-29, 2003.
- (30) "Meth Psychosis," Oklahoma District Attorney's Council, Oklahoma City, Oklahoma, September 29, 2003.
- (31) "Precursor Chemicals," Oklahoma Wholesale Marketers Association, Muskogee, Oklahoma, September 20, 2003.
- (32) "Clandestine Meth Laboratory Safety," Institute for Intergovernmental Research (IIR), Beaumont, Texas, July 28-30, 2003.
- (33) "Methamphetamine in Oklahoma," Oklahoma Municipal League, Oklahoma City, Oklahoma, July 11, 2003.
- (34) "Drugs in the Workplace," Xerox, Oklahoma City, Oklahoma, June 27, 2003.
- (35) "Meth Psychosis," Oklahoma District Attorney's Council, Oklahoma City, Oklahoma, June 3, 2003.
- (36) "Meth Psychosis," Oklahoma Safety Council Conference, Shangri-La, Oklahoma, May 6, 2003.
- (37) "Meth Psychosis," Southwest Technology Center, Altus, Oklahoma, May 1, 2003.

- (38) "Clanlab Recertification Training, Tulsa Police Department, April 29, 2003.
- (39) "Drugs and the Brain," Invited Presentation to Law Enforcement Class, Tom Heggy, Professor, April 24, 2003.
- (40) "Drugs and the Brain," Invited Speech, Public forum, Rogers State University, Claremore, Oklahoma, April 17, 2003.
- (41) "Meth Psychosis," Tulsa Police Department, Tulsa, Oklahoma, February 25, 2003.
- (42) "Meth Psychosis," Invited Presentation for the Regional Organized Crime Information Center (ROCIC), Destin Florida, February 12, 2003.
- (43) "Drugs and the Brain," Invited presentation for Law Enforcement Class at University of Central Oklahoma, Edmond, Oklahoma February 4, 2003.
- (44) Clanlab Recognition and Safety," (4 hours) Oklahoma Code Enforcement Officer's association. Broken Arrow, Oklahoma. February 20, 2003.
- (45) "The Psychopharmacology of Meth," Invited Presentation. Criminal Justice Program, University of Central Oklahoma. Edmond, Oklahoma. February 4, 2003.
- (46) "Meth Psychosis," (1 hour) Oklahoma County Judges. Oklahoma City, Oklahoma. December 11, 2002.
- (47) "The Effects of Meth on Communities," Oklahoma City Manager's Association. Edmond, Oklahoma. December 6, 2002.
- (48) "Meth Psychosis," (1 hour) Oklahoma District Attorney's Association. Tulsa, Oklahoma. November 22, 2002.
- (49) "Club Drugs, Meth, and Brain Damage," (4 hours) Blackwell Public School District. November 11, 2002.
- (50) "Ketamine," (1 hour) Oklahoma Animal Control Officer's Association. Roland, Oklahoma. November 7, 2002.
- (51) "Dealing with the Mentally Ill," (2 hours) Norman Police Department, Norman, Oklahoma. October 21, 2002.
- (52) "Methamphetamine and Schizophrenia: The Deeper Social Impact of Meth Abuse in Oklahoma," (1 hour) Oklahoma Chiefs of Police Association Annual Conference. Tulsa, Oklahoma, September 19, 2002.
- (53) "Clandestine Laboratory Trends in Oklahoma," (1 Hour) Clandestine Laboratory 40-Hour Certification School. Combined Sponsorship of Oklahoma State Bureau of Investigation and Oklahoma Bureau of Narcotics. Oklahoma City, Oklahoma. September 13, 2002.
- (54) "Methamphetamine Laboratory Investigator's Course," (24 hours) Institute for Intergovernmental Research, Salina, Kansas. August 26-28, 2002.
- (55) "Methamphetamine Laboratory Investigator's Course," (24 hours) Institute for Intergovernmental Research, Nashua, New Hampshire. May 8-10, 2002.
- (56) "Challenges of Meth Labs in Oklahoma," (16 hours). Seminole State College. Accredited by the Oklahoma Council for Law Enforcement Education and Training.
- (57) "Meth Lab Dangers in the Workplace," Invited presentation. "Extreme Safety 2002: the Oklahoma Governor's Conference and Expo on Safety and Health, Oklahoma City, Oklahoma. April 23, 2002.

- (58) "Marginalization and Ethical Misconduct in Law Enforcement Environments," Invited presentation. Oklahoma Chiefs of Police Association. Oklahoma City, Oklahoma. April 22, 2002.
- (59) "Strategies for Chemical Control as a Response to Methamphetamine Laboratories," Invited presentation. United States Drug Enforcement Administration, Eleventh Pharmaceutical Drug Diversion Conference. St. Louis, Missouri. April 16-19, 2002.
- (60) "Legal Issues in Clandestine Laboratory Cases," Invited presentation. Oklahoma City University, Oklahoma City, Oklahoma. April 9, 2002.
- (61) "Chief Administrator's Course in Clandestine Laboratory Liability Issues," Invited presentation. Tennessee Chief of Police Association Annual Meeting, Nashville, Tennessee. April 4, 2002.
- (62) "Methamphetamine Laboratory Risks, Invited presentation. Norman Police Academy, Norman, Oklahoma. February 28, 2002.
- (63) "Anhydrous Ammonia and the Problem of Illegal Methamphetamine Laboratories in Oklahoma, Invited presentation. Oklahoma Agriculture Exposition, State Fairgrounds, Oklahoma City, Oklahoma. October 22, 2001.
- (64) "Processing Clandestine Laboratory Evidence," Invited presentation. Council of Law Enforcement Education and Training (CLEET), Technical Investigator's Course. Drumright, Oklahoma. October 3, 2001.
- (65) "Drug Abuse Patterns in Oklahoma," Invited presentation, Rotary Club Meeting, Oklahoma City, Oklahoma. September 26, 2001.
- (66) "Methamphetamine Psychosis: The Deeper Dimension of the Problem of Methamphetamine Laboratories," Invited Presentation, Clandestine Laboratory Investigator's Association (CLIA) annual training conference, Kansas City, Missouri, September 17, 2001.
- (67) "Oklahoma's Methamphetamine Epidemic," Invited presentation, Rotary Club Meeting, Oklahoma City, Oklahoma. August 22, 2001.
- (68) "Clandestine Laboratory Supervisor's Course," Invited presentation. Bureau of Justice Grant funded presentation (Circle, Inc.), Billings, Montana, August 6-7, 2001.
- (69) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 20, 2001.
- (70) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 20, 2001.
- (71) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 19, 2001.
- (72) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Oklahoma City Police Department, Oklahoma City, Oklahoma. July 18, 2001.

- (73) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Oklahoma City Police Department, Oklahoma City, Oklahoma. July 18, 2001.
- (74) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 17, 2001.
- (75) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 17, 2001.
- (76) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 17, 2001.
- (77) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 16, 2001.
- (78) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 16, 2001.
- (79) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 16, 2001.
- (80) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 16, 2001.
- (81) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City Police Department, Oklahoma City, Oklahoma. July 16, 2001.
- (82) "Meth Psychosis: Understanding the Mental Illness of Methamphetamine Abuse," In-service training. Oklahoma State Bureau of Narcotics and Dangerous Drugs Control, Certified by the Oklahoma Council for Law Enforcement Education and Training. Texoma Lodge, Oklahoma. May 30, 2001.
- (83) "What is Evidence? Phronesis and the Hermeneutics of Criminal Investigation," Invited Presentation. University of Oklahoma Inter-session Course: "Bodies, Bugs, and Bones: Forensic Anthropology in Criminal Investigation." Norman, Oklahoma. May 16, 2001.
- (84) "Recognizing Dangers and Liabilities of Clandestine Methamphetamine Laboratories," Invited Presentation, Oklahoma Apartment Manager's Association, Oklahoma City, Oklahoma. May 15, 2001.
- (85) "Methamphetamine Psychosis," Invited Presentation, Comanche Nation, Medicine Park, Oklahoma. April 11, 2001.
- (86) "Clandestine Laboratory Legal Issues," Invited Presentation, Criminal Justice Department, Oklahoma City University, Oklahoma City, April 10, 2001.
- (87) "Methamphetamine Psychosis," Invited presentation, Oklahoma Bar Association, Continuing Legal Education Training, Oklahoma City University Law School, Oklahoma City, April 6, 2001.

- (88) "Endangered Victims Living in Clandestine Methamphetamine Laboratory Environments," Invited presentation for the United States Attorney's Office (Western district of Oklahoma), Rose State College, Midwest City, Oklahoma. April 5, 2001.
- (89) "Clandestine Drug lab Hazards," Invited presentation by the Oklahoma Council for Law Enforcement Education and Training, Mid-Wayne, Oklahoma, March 28, 2001.
- (90) "The Psychology of Methamphetamine Abuse." Presented for judges and prosecutors, Tulsa, Oklahoma. January 25, 2001.
- (91) "The Impact of Methamphetamine Abuse on Oklahoma High Schools." Presented for high school principals, Mid-America Technology Center, Wayne, Oklahoma. January 18, 2001."
- (92) "Current Legal Issues in Pharmacy Practice." Oklahoma State Pharmacy Association, Pharmacy Law Seminar, Oklahoma City, Oklahoma. December 3, 2000.
- (93) "Chaos, Dynamic Systems and the Deep Social Impact of Methamphetamine Abuse in Oklahoma." Oklahoma Drug Court Conference, Oklahoma City, Oklahoma. November 30, 2000.
- (94) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 17, 2000.
- (95) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 17, 2000.
- (96) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 16, 2000.
- (97) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 16, 2000.
- (98) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 16, 2000.
- (99) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 16, 2000.
- (100) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 15, 2000.
- (101) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 15, 2000.
- (102) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 14, 2000.

- (103) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 14, 2000.
- (104) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 14, 2000.
- (105) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 14, 2000.
- (106) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Camp Gruber, Braggs, Oklahoma. November 13, 2000.
- (107) "Narcotic Officer Survival" (16 hours). Seminole State College. Accredited by the Oklahoma Council for Law Enforcement Education and Training. November 7-8, 2000.
- (108) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Shreveport, Louisiana. October 31, 2000.
- (109) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Shreveport, Louisiana. October 30, 2000.
- (110) "Raid Planning for Narcotics Enforcement Operations." Oklahoma State Bureau of Narcotics Investigator School. Oklahoma City, Oklahoma. October 28, 2000.
- (111) "Supervisor's Guide to Clandestine Laboratory Enforcement." Bureau of Justice Assistance, grant funded presentation (Circle, Inc.). Oklahoma City, Oklahoma. October 20, 2000.
- (112) "Supervisor's Guide to Clandestine Laboratory Enforcement." Bureau of Justice Assistance, grant funded presentation (Circle, Inc.). Muskogee, Oklahoma. October 18, 2000.
- (113) "An Overview of the Clandestine Laboratory Problem in Oklahoma." Oklahoma Municipal League annual meeting. Tulsa, Oklahoma. October 14, 2000.
- (114) "The Problem with Meth." Federal Probation and Parole Officers in-service training. Oklahoma City, Oklahoma. October 6, 2000.
- (115) "Firefighter's Guide to Clandestine Laboratories." Jones Fire Department, Jones, Oklahoma. October 3, 2000.
- (116) "Apartment Management and the Problem of Clandestine Methamphetamine Laboratories." Oklahoma Apartment Manager's Association annual conference. September 21, 2000.
- (117) "Clandestine Laboratory Enforcement." Bureau of Justice Assistance, grant funded presentation (Circle, Inc.). Bristol, Virginia. August 16, 2000.
- (118) "The Meth Problem in Oklahoma." AMBUCKS Club, Enid, Oklahoma. July 7, 2000.
- (119) "Gangs and the Increase of Methamphetamine in Oklahoma." Oklahoma Gang Investigator's Association annual conference. Tulsa, Oklahoma. June 29, 2000.



- (120) "Methamphetamine Abuse in the Native American Community." National Conference on Native American Behavioral Issues. Oklahoma City, Oklahoma. June 6, 2000.
- (121) "A City Manager's Guide to the Problem of Clandestine Drug Laboratories." Oklahoma City Manager's Association conference. May 12, 2000.
- (122) "Interviewing Victims of Sexual Assault." Stop the Violence conference. McAlester, Oklahoma. April 25, 2000.
- (123) "HAZMAT's Response to Meth Labs." Tulsa Fire Department HAZMAT Unit. Tulsa, Oklahoma. April 20, 2000.
- (124) "Basic Clandestine Drug lab Identification." Oklahoma County Code Enforcement Officer's Training Course, Choctaw, Oklahoma. March 16, 2000.
- (125) "Chief Administrator's Guide to Clandestine Drug Laboratories." Oklahoma Chief of Police Association. Oklahoma City, Oklahoma. March 8, 2000.
- (126) "Supervisor's Guide to Clandestine Drug Laboratories." Oklahoma Chief of Police Association, Oklahoma City, Oklahoma. March 6-7, 2000.
- (127) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 27, 2000.
- (128) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 26, 2000.
- (129) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 26, 2000.
- (130) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 26, 2000.
- (131) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 25, 2000.
- (132) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 25, 2000.
- (133) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 25, 2000.
- (134) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 24, 2000.
- (135) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 24, 2000.

- (136) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 23, 2000.
- (137) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 23, 2000.
- (138) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 22, 2000.
- (139) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. February 22, 2000.
- (140) "The Emergence of the Clandestine Laboratory Problem in Oklahoma." Ponca City, Oklahoma. Approved for Credit by the Oklahoma State Council for Law Enforcement Education and Training. February 9, 2000.
- (141) "Recognizing Meth Labs." Oklahoma Code Enforcement Officer's Association annual conference. Guthrie, Oklahoma. February 3, 2000.
- (142) "The Psychology of School Violence." Earlsboro Public School District, Earlsboro, Oklahoma. January 17, 2000.
- (143) "A Model for Anti-Corruption Initiatives." Krpacavo, Slovakia. Conference sponsored by the United States Department of State and the American Bar Association (Central and Eastern European Law Initiative). November 20-24, 1999.
- (144) "Dealing with Governmental Corruption." Palanga, Lithuania. Conference sponsored by the United States Department of State and the American Bar Association (Central and Eastern European Law Initiative). October 22-29, 1999.
- (145) "Narcotics Raid Planning." Oklahoma State Bureau of Narcotics Investigator's Course, Oklahoma City, Oklahoma. October 20, 1999.
- (146) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Ft. Lauderdale, Florida. August 30, 1999.
- (147) "A Primer on Methamphetamine Laboratories." Poteau Civic Center, Poteau, Oklahoma. August 24, 1999.
- (148) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Maui, Hawaii. June 29, 1999.
- (149) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Maui, Hawaii. June 28, 1999.
- (150) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Hilo, Hawaii. June 25, 1999.
- (151) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Hilo, Hawaii. June 24, 1999.
- (152) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Honolulu, Hawaii. June 23, 1999.
- (153) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Kauai, Hawaii. June 22, 1999.

- (154) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Kauai, Hawaii. June 21, 1999.
- (155) "Recognizing Clandestine Methamphetamine Laboratories." Oklahoma State Gang Investigator's Association annual conference, Oklahoma City, Oklahoma. June 15, 1999.
- (156) "Basic Clandestine Laboratory Investigator's School." Seminole State College. May 24-25, 1999.
- (157) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Omaha, Nebraska. April 21, 1999.
- (158) "Drugs, Gangs, and Violence." Civic Center, Henryetta, Oklahoma. April 20, 1999.
- (159) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Peoria, Illinois. March 24, 1999.
- (160) "What You Can do About Illegal Drugs in Oklahoma." Rotary Club, Chickasha, Oklahoma. March 4, 1999.
- (161) "Domestic Violence Investigations." Seminole State College. February 23-24, 1999.
- (162) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (163) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (164) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (165) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma, November 1998.
- (166) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (167) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (168) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (169) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (170) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (171) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.

- (172) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (173) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (174) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Woodward, Oklahoma. November 1998.
- (175) "Narcotics Raid Planning," Oklahoma Bureau of Narcotics and Dangerous Drugs Control Investigator's School, Oklahoma City, Oklahoma. October 1998.
- (176) "Clandestine Laboratory Safety Issues," Oklahoma Bureau of Narcotics and Dangerous Drugs Control Investigator's School, Oklahoma City, Oklahoma. October 1998.
- (177) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (178) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (179) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (180) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (181) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (182) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (183) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (184) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (185) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (186) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (187) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.

- (188) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (189) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Altus, Oklahoma September 1998.
- (190) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (191) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (192) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (193) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (194) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (195) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (196) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (197) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (198) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (199) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (200) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (201) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (202) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, McAlester, Oklahoma. June 1998.
- (203) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (204) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.

- (205) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (206) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (207) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (208) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (209) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (210) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (211) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (212) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (213) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (214) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (215) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Ardmore, Oklahoma. May 1998.
- (216) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (217) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (218) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (219) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (220) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (221) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.

- (222) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (223) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (224) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (225) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (226) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (227) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (228) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Tulsa, Oklahoma. April 1998.
- (229) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (230) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (231) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (232) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (233) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (234) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (235) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (236) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (237) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.

- (238) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (239) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (240) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (241) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. November 1997.
- (242) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Great Falls, Montana. October 10, 1997.
- (243) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Billings, Montana. October 8, 1997.
- (244) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Missoula, Montana. October 6, 1997.
- (245) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Omaha, Nebraska. September 23, 1997.
- (246) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Kearney, Nebraska. September 22, 1997.
- (247) "Narcotics Raid Planning." Oklahoma State Bureau of Narcotics Investigator's Course, Oklahoma city, Oklahoma. September, 1997.
- (248) "Clandestine laboratory Safety Issues," Oklahoma State Bureau of Narcotics Investigator's Course, Oklahoma City, Oklahoma. September, 1997.
- (249) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Indianapolis, Indiana. December 5, 1996.
- (250) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Bloomington, Minnesota. November 15, 1996.
- (251) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (252) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (253) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (254) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (255) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (256) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.



- (257) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (258) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (259) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (260) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (261) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (262) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (263) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. October 1996.
- (264) "Narcotics Raid Planning," Oklahoma State Bureau of Narcotics and Dangerous Drugs Control Investigator's Course, Oklahoma City, Oklahoma. September 1996.
- (265) "Clandestine Laboratory Safety Issues," Oklahoma State Bureau of Narcotics and Dangerous Drugs Control Investigator's Course, Oklahoma City, Oklahoma. September 1996.
- (266) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). St. Louis, Missouri. June 17, 1996.
- (267) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Indianapolis, Indiana. April 29, 1996.
- (268) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Rochester, New York. April 14, 1996.
- (269) "Narcotics Raid Planning," Oklahoma State Bureau of Narcotics and Dangerous Drugs Control Investigator's Course, Oklahoma City, Oklahoma. September 1995.
- (270) "Clandestine Laboratory Safety Issues," Oklahoma State Bureau of Narcotics and Dangerous Drugs Control Investigator's Course, Oklahoma City, Oklahoma. September 1995.
- (271) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). San Antonio, Texas. June 5, 1995.
- (272) "Legal Issues in Clandestine Methamphetamine Laboratory Cases." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. May, 1995.
- (273) "Investigative Techniques for Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma. May, 1995.

- (274) "Phased Approach to Raiding Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (275) "Use of Air Monitoring Instruments in Clandestine Drug Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (276) "Developing a Multi-Agency Response to Clandestine Drug Labs." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (277) "OSHA CRF 29, 1910." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (278) "Use and Maintenance of Personal Protective Equipment in Methamphetamine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (279) "Risk Assessment in Clandestine Laboratories." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (280) "Clandestine Laboratory Site Safety." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (281) "Basic Toxicology." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (282) "Essential Psychopharmacology of Methamphetamine." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma May, 1995.
- (283) "Basic Clandestine Laboratory Chemistry." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma, May, 1995.
- (284) "History of Amphetamines." Oklahoma State Bureau of Narcotics Clandestine Laboratory Certification School, Oklahoma City, Oklahoma, May, 1995.
- (285) "Clandestine Laboratory Enforcement." Bureau of Justice Grant funded presentation (Circle, Inc.). Indianapolis, Indiana. May 4, 1995.

## **UNIVERSITY COURSES TAUGHT**

- 2007 (Fall) LSTD 5153, "Ethics in the Interprofessional Health and Human Services," Online course for the MA in IHHS program at OU CLS (3 credit hours).
- 2007 (Fall), LSTD 5652, "Ethics and Leadership," Online course for the MLS program at OU CLS (3 credit hours).
- 2007 (Fall) LSTD 5013 "Interdisciplinary Foundations," Online course for the MLS program at OU CLS (3 credit hours).
- 2007 (Fall) LSTD 3915, Study in Depth Prospectus., On-site course for the BLS program at OU CLS (3 credit hours).
- 2007 (Summer) LSTD 5790/5904/5943, "BLS and MLS Symposium, "Media and Culture," seminar for BLS AND MLS programs at OU CLS (3-4 Credit hours).

2007 (Summer) LSTD 4283 "Socrates and Society," Online course for the BLS program at OU CLS (3 credit hours).

2007 (Spring) LSTD 5654 "Ethics and Leadership, Online course for the BLS program at OU CLS (3 credit hours).

2007 (Spring) LSTD 4800 "Socrates and Society," Online course for the BLS program at OU CLS (3 credit hours).

2007 (Spring) LSTD 3233 "Topics in the Humanities of the Ancient World," Online course for the BLS program at OU CLS (3 credit hours).

2007 (Spring) "Psychiatry: Human Behavior I." College of Medicine (M.D. Program). University of Oklahoma Health Sciences Center.

2006 (Fall) "Ethics and Leadership," (4 Graduate-Level Credit Hours), Internet Guided Course for the MLS Program at OU.

2006 (Fall) "Study in Depth Prospectus," (3 Credit Hours). Held at rose Sate College for OU CLS.

2006 (Fall) "Study in Depth Prospectus," (3 Credit Hours). Internet Guided Course. 2006 (Summer) "Socrates and Society," (3 credit Hours). Internet Guided Course. 2006 (Spring) "Ethics in Leadership." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (4 graduate-level credit hours). Internet Guided Course.

2006 (Spring) "Interdisciplinary Foundations" (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course. 2006 (Spring) "Media, Self, and Culture." College of Liberal Studies. (3 Credit Hours) 2006 (Spring) "The Examined Life: An Introduction to Philosophy," Seminole State College. (3 credit hours)

2005 (Fall) "Ethics in Leadership." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (4 graduate-level credit hours). Internet Guided Course.

2005 (Fall) "Interdisciplinary Foundations" (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course.

2005 (Fall) Investigative Studies: The Thought of Socrates." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 Credit Hours)

2005 (Fall) "Interarea Studies: Media and Culture." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 Credit Hours)

2005 (Fall) "Study In Depth Prospectus Development." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 Credit Hours)

2005 (Summer) "Media, Self, and Culture." Advanced Interdisciplinary Seminar College of Liberal Studies, University of Oklahoma. (3 credit hours).

2005 (Spring) "The Examined Life: An Introduction to Philosophy," Seminole State College. (3 credit hours)

2005 (Spring) "Research Methods in the Social Sciences." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (4 graduate-level credit hours). Internet Guided Course.

2005 (Spring) "Ethics in Leadership." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (4 graduate-level credit hours). Internet Guided Course.

2005 (Spring) "Postmodern Culture" Advanced Interdisciplinary Seminar College of Liberal Studies, University of Oklahoma. (3 credit hours).

2005 (Spring) Inter-Area Studies –online option, College of Liberal Studies, University of Oklahoma. (12 credit hours).

2005 (Spring) “Topics in Ancient Humanities” Online option -- College of Liberal Studies, University of Oklahoma. (3 credit hours).

2005 (Spring) “Humanities of the Ancient World,” Online option -- College of Liberal Studies, University of Oklahoma. (3 credit hours).

2004 (Fall) “Media and Culture: Influence and Behavior,” “The Examined Life: An Introduction to Philosophy,” Seminole State College. (3 credit hours)

2004 (Fall) “Ethics in Leadership.” College of Liberal Studies (Master’s of Liberal Studies Program), University of Oklahoma. (4 graduate–level credit hours). Internet Guided Course.

2004 (Fall) “Interdisciplinary Foundations” (Master’s of Liberal Studies Program), University of Oklahoma. (3 graduate–level credit hours). Internet Guided Course.

2004 (Fall) Inter-Area Studies –online option, College of Liberal Studies, University of Oklahoma. (12 credit hours).

2004 (Summer) “World Visions and the Limits of Human Understanding” College of Liberal Studies, University of Oklahoma. (6 credit hours).

2004 (Spring) Inter-Area Studies –online option, College of Liberal Studies, University of Oklahoma. (12 credit hours).

2004 (Spring) “Theoretical Foundations in the Social Sciences (Master’s of Liberal Studies Program), University of Oklahoma. (3 graduate–level credit hours). Internet Guided Course.

2004 (Spring) “Ethics in Leadership.” College of Liberal Studies (Master’s of Liberal Studies Program), University of Oklahoma. (4 graduate–level credit hours). Internet Guided Course.

2004 (Spring) “Psychiatry: Human Behavior I.” College of Medicine (M.D. Program). University of Oklahoma Health Sciences Center.

2004 (Spring) “The Examined Life: An Introduction to Philosophy,” Seminole State College. (3 credit hours)

2004 (Spring) “Existence and Place: A Study of Ecology and Human Life” Inter-Area Studies, College of Liberal Studies, University of Oklahoma. (12 credit hours).

2003 (Fall) “Humanities of the Modern World.” LSTD 3210/413. (Bachelor’s of Liberal Studies Program), University of Oklahoma. (3 credit hours). Internet Guided Course.

2003 (Fall) “Humanities of the Ancient World.” LSTD 3210/412. (Bachelor’s of Liberal Studies Program), University of Oklahoma. (3 credit hours). Internet Guided Course.

2003 (Fall) “The Expression of the Human Mind: Self, World, and Culture.” Inter-Area Studies, College of Liberal Studies, University of Oklahoma. (12 credit hours).

2003 (Fall) “Ethics in Leadership.” College of Liberal Studies (Master’s of Liberal Studies Program), University of Oklahoma. (4 graduate–level credit hours). Internet Guided Course.

2003 (Fall) “Theoretical Foundations in Administrative Leadership.” College of Liberal Studies (Master’s of Liberal Studies Program), University of Oklahoma. (3 graduate–level credit hours). Internet Guided Course

2003 (Fall) “Interdisciplinary Foundations.” College of Liberal Studies (Master’s of Liberal Studies Program), University of Oklahoma. (3 graduate–level credit hours). Internet Guided Course

2003 (Fall) "Theoretical Foundations II." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course

2003 (Summer) "Interdisciplinary Foundations." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course

2003 (Summer) "Theoretical Foundations in the Social Sciences." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course

2003 (Summer) "On Modern and Postmodern Consciousness in the West." MLS Combined Seminar (LSTD 5534 –MLS Colloquium –4 credit hours; LSTD 5543 –MLS Advanced Seminar –3 credit hours). College of Liberal Studies, University of Oklahoma.

2003 (Summer) "Ethics in the Humanities." College of Liberal Studies, University of Oklahoma. (3 credit hours)

2003 (Spring) "Psychiatry: Human Behavior I." College of Medicine (M.D. Program). University of Oklahoma Health Sciences Center.

2003 (Spring) "Theoretical Foundations in the Social Sciences." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course

2003 (Spring) "Globalism." Inter-Area Studies," College of Liberal Studies, University of Oklahoma. (12 credit hours)

2003 (Spring) "Ethics in Leadership: The Principles of Ethical Reasoning and Decision-Making." Colloquium for the Master's of Liberal Arts Program. College of Liberal Studies, University of Oklahoma. (4 credit hours)

2003 (Spring) "The Examined Life: An Introduction to Philosophy," Seminole State College. (3 credit hours)

2003 (Fall) "Theoretical Foundations in the Social Sciences." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course.

2002 (Fall) "The Logic of Human Destiny." Inter-Area Studies, College of Liberal Studies, University of Oklahoma. (12 credit hours)

2002 (Fall) "Research Methods in Natural Sciences, Social Sciences, and the Humanities." Master's of Liberal Studies Program. College of Liberal Studies, University of Oklahoma. (3 graduate-level credit hours)

2002 (Fall) "Theoretical Foundations in the Social Sciences." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course.

2002 (Spring) "Psychiatry: Human Behavior I." College of Medicine (M.D. Program). University of Oklahoma Health Sciences Center.

2002 (Spring) "The Cognitive Origins of Culture," Seminar in the Humanities. College of Liberal Studies, University of Oklahoma. (12 credit hours)

2002 (Spring) "Advanced Seminar: Perspectives on Leadership" (Strategic Thinking and Critical Decision Making in Leadership). Master's of Liberal Studies Program. College of Liberal Studies, University of Oklahoma. (3 graduate-level credit hours)

2002 (Spring) "Inter -Area Studies," (The Concept of Autonomy). College of Liberal Studies, University of Oklahoma. (12 credit hours)

2002 (Spring) "The Examined Life: An Introduction to Philosophy," Seminole State College. (3 credit hours)

2002 (Spring) "Theoretical Foundations in the Social Sciences." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course.

2002 (Spring) "Culture and the Self," Seminar in the Humanities. College of Liberal Studies, University of Oklahoma. (12 credit hours)

2001 (Fall) "Inter -Area Studies," (Understanding Processes). , College of Liberal Studies, University of Oklahoma. (12 credit hours)

2001 (Fall) "Theoretical Foundations in the Social Sciences." College of Liberal Studies (Master's of Liberal Studies Program), University of Oklahoma. (3 graduate-level credit hours). Internet Guided Course.

2001 (Summer) "Introductory Seminar," (Team Psychology and Team Building) College of Liberal Studies, University of Oklahoma. (3 credit hours)

2001 (Spring) "Psychiatry: Human Behavior I." College of Medicine (M.D. Program). University of Oklahoma Health Sciences Center.

2001 (Spring) "Inter -Area Studies," (Science, Science Fiction, and Leadership) College of Liberal Studies, University of Oklahoma. (Talk-back TV with two groups, alternating primary locations). (12 credit hours)

2001 (Spring) "Inter -Area Studies," (Technology and the Individual). College of Liberal Studies, University of Oklahoma. (12 credit hours)

2001 (Spring) "The Examined Life: An Introduction to Philosophy," Seminole State College. (3 credit hours)

2000 (Fall) "Inter -Area Studies: Great Books," College of Liberal Studies, University of Oklahoma. (12 credit hours)

2000 (Spring) "Psychiatry: Human Behavior I." College of Medicine (M.D. Program). University of Oklahoma Health Sciences Center.

2000 (Spring) "Inter -Area Studies: Great Books," College of Liberal Studies, University of Oklahoma. (12 credit hours)

1999 (Fall) "Inter -Area Studies: Great Books," College of Liberal Studies, University of Oklahoma. (12 credit hours)

1999 (Spring) "Psychiatry: Human Behavior I." College of Medicine (M.D. Program). University of Oklahoma Health Sciences Center.

1999 (Spring) "Inter -Area Studies: Great Books," College of Liberal Studies, University of Oklahoma. (12 credit hours)

1998 (Fall) "Inter -Area Studies: Great Books," College of Liberal Studies, University of Oklahoma. (12 credit hours)

1998 (Spring) "Psychiatry: Human Behavior I." College of Medicine (M.D. Program). University of Oklahoma Health Sciences Center.

1998 (Spring) "Inter -Area Studies: Great Books," College of Liberal Studies, University of Oklahoma. (12 credit hours)

1997 (Fall) "Inter -Area Studies: Great Books," College of Liberal Studies, University of Oklahoma. (12 credit hours)

1997 (Summer) "Ethics in the Humanities," College of Liberal Studies, University of Oklahoma. (3 credit hours)

1997 (Spring) "Ethics in the Humanities," College of Liberal Studies, University of Oklahoma. (3 credit hours)

1981 (Spring) "Introduction to Logic," Department of Philosophy, University of Oklahoma. (3 credit hours)  
1981 (Spring) "Aesthetics," Department of Philosophy, University of Oklahoma. (3 credit hours)  
1980 (Fall) "Philosophy in Literature," Department of Philosophy, University of Oklahoma. (3 credit hours)  
1980 (Spring) "Introduction to Logic," Department of Philosophy, University of Oklahoma. (3 credit hours)  
1979 (Fall) "Existentialism," Department of Philosophy, University of Oklahoma. (3 credit hours)  
1979 (Spring) "Introduction to Logic," Department of Philosophy, University of Oklahoma. (3 credit hours)  
1978 (Fall) "Introduction to Philosophy," Department of Philosophy, University of Oklahoma. (3 credit hours)

## **LANGUAGES**

Speak and read French, can conduct research in German

## **PROFESSIONAL ASSOCIATIONS AND ACTIVITIES**

American Academy of Pain Management (Teaching Fellow)  
American Philosophical Association  
Foundation for Applied Phenomenology & Life-World Studies  
Society for Chaos Theory in Psychology & Life Sciences  
International Institute for Field-Being  
Association of Oklahoma Narcotic Officers (Past President)  
Oklahoma Association of Chiefs of Police  
Oklahoma Sheriff and Peace Officer's Association

## **AVOCATIONAL INTERESTS**

Jazz guitar (professional performer), amateur astronomy, art collecting, and practicing martial arts (Tae Kwon Do).

**B**