

Attend the

38th Annual Conference & Exhibition

for Public Water and
Wastewater Utilities

March 29 - 31, 2005

**Century II Convention Center
Wichita, Kansas**

This year's conference theme:

***Quality Water . . .
Sustaining Kansas Communities!***



with the cooperation of:

Kansas Department of Health & Environment
Kansas Water Office
Division of Water Resources
Environmental Protection Agency
Kansas Department of Commerce
Kansas Geological Survey
USDA Rural Development

WELCOME ...

Welcome to the largest water and wastewater conference in Mid-America. It's the 2005 KRWA Annual Conference & Exhibition. Thanks to the support of cooperating agencies, this conference continues to provide unmatched value in content, unparalleled opportunities to shop and compare at the largest exhibition in the Midwest, plus a supply of food, fun and hospitality that just don't quit.

WHO SHOULD ATTEND?

Who should attend? In 2004, more than 2000 people from 287 cities and more than 200 rural water districts and other public water and wastewater systems attended. They included: city council members and mayors, operators, clerks, bookkeepers, RWD board members, managers, administrators, industry and government officials, sanitarians and plumbers.

DATES & LOCATION

**Tuesday, Wednesday, Thursday
March 29, 30 and 31
Century II Convention Center, Wichita, Kan.**

REGISTRATION

Advance registration is encouraged but is not required. Save \$20 with advance registration postmarked or called in by March 16. Pre-registrants receive complimentary tickets to the KRWA Carnival Nite on Tuesday and breakfast on Thursday. Indicate your intention to attend either function on the registration form.

Meal tickets must be specified with pre-registration. Registration name badges are required to attend sessions, exhibits or meal functions, including the Country Western BBQ and Carnival Tuesday evening.

Registration forms are printed on the last pages of this booklet. Copy the form if necessary. Return registration forms with payment to: KRWA, PO Box 226, Seneca, Kan. 66538. If you have a question, call KRWA at 785/336-3760 or email to KRWA at krwa@nvcs.com.
Special note: Casual dress is encouraged. Please advise KRWA of any special needs for accommodation.

OPERATOR CERTIFICATION

Credits provided for attendance are posted in the upper right-hand corner of each session block. Verification forms will be in each registrant's packet. Check the box on the registration form if you want credit.

WHAT THIS CONFERENCE OFFERS

8 pre-conference sessions on Tuesday, March 29. See pages 8 to 15 for these sessions.

48 concurrent sessions, Wednesday and Thursday. See page 18 and beyond for these sessions.

268+ exhibits in EXPO Hall - see the latest in products and services. See pages 26 - 27 for floor plan.

Attorneys Forum - for lawyers only, seeking to learn more and exchanging information. Invite your city or water system attorney. They earn valuable Continuing Learning Credits. See page 6.

KRWA's "Country BBQ and Carnival" Tuesday evening; complimentary to all who pre-register. See page 16.

Special Guests: Senator Pat Roberts, United States Senate and **Bobby Scott**, President, National Rural Water Association. See page 5.

Opening Session and Keynote: Vernon Silvers, professional motivational speaker. See page 17.

Best Tasting Water Contest, Show 'n Tell Poster Board Displays, CCR Contest and "Wateringhole" Cybercafe'. See page 7.

Awards Banquet and Entertainment: KRWA names top staff members from systems and other awards ... followed by *Hank Williams: Lost Highway* - a guaranteed highly satisfying and thoroughly entertaining show presented by a cast of 10 from Cabaret Oldtown.

Spouse Programs, Wednesday, departs Century II at 11:15 to visit the Pyramids for learning and lunch followed by a tour of the Wichita Art Museum. Thursday morning's program at Century II is by Dr. Loretta Forlaw who will discuss nutritional health. See p. 28 for details.

Certification Exam: The certification exam will be given for Class I - IV water and wastewater, Thursday afternoon. See page 42 for information on obtaining an exam application form.

Annual Membership Meeting: Thursday, March 25 at 8:00 a.m. in Room 209A.

Spring Golf Tourney: KRWA's Spring Tourney will be held Tuesday, March 29 at the Rolling Hills Golf Club, 223 S. Westlink (off of Maple and Tyler in west Wichita). This is a four-person scramble. (Name your team members). Register to play golf on the KRWA registration form. The \$65 fee includes green fees and cart rental and box lunch. Remit payment to KRWA. No jeans and no spikes! These are course rules.

Accommodations: See page 46 for hotel blocks.

CONFERENCE AT A GLANCE

Tuesday, March 29

- 8:00 a.m. Registration Opens, Connecting Lobby, Century II
- 8:30 a.m. Spring Golf Tourney; Rolling Hills Golf Club (pay \$65, registration form)
- 9:30 a.m. Attorneys' Forum (for attorneys only; see p. 6)
- 10:00 a.m. Pre-Conference Sessions: 8 sessions begin (pages 8-15)
- Noon Lunch: (buffet lunch at Century II for \$10; purchase meals by marking on registration form)
- 1:30 p.m. Pre-conference sessions either repeat or reconvene;
- 4:00 p.m. EXPO Hall opens: 268 booths; (p. 34-43). Also Poster Board Display and Wateringhole Cybercafe' (p. 7)
- 6:30 p.m. Country Western Carnival Nite, BBQ meal, music, social, games complimentary to all who pre-register by March 16 (p. 16)

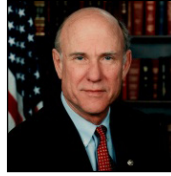
Wednesday, March 30

- 7:30 a.m. Registration Opens, Connecting Lobby, Century II
- 8:30 a.m. Opening Session, Concert Hall (p. 17)
Keynote: Vern Silvers, Speaker and Management Consultant
- 10:00 a.m. EXPO Hall Opens
- 10:45 a.m. Concurrent Sessions (p. 18-19)
- 11:15 a.m. Spouses program departs east lobby by bus for Pyradomes
Noon Luncheon: Century II
Speaker: Senator Pat Roberts, United States Senate (invited) (p. 5)
- 1:30 p.m. Concurrent Sessions (p. 20-21)
- 2:45 p.m. Concurrent Sessions (p. 22-23)
- 4:00 p.m. Concurrent Sessions (p. 24-25)
- 5:30 p.m. Social - EXPO Hall
- 6:30 p.m. Awards Banquet, Awards Presentations,
Entertainment: "Hank Williams - Lost Highway" (p. 29)

Thursday, March 31

- 7:00 a.m. "Full hot buffet breakfast", Century II
- to 8:30 a.m. (please indicate on registration form)
- 8:00 a.m. Registration Opens, Connecting Lobby; EXPO Hall opens
- 8:30 a.m. Annual Meeting, KRWA Membership: Room 209 A
- 9:30 a.m. Concurrent Sessions (p. 30-31)
- 10:00 a.m. Spouse Program: Nutritional Health, Room 202 (p. 28)
- 10:45 a.m. Concurrent Sessions (p. 32-33)
- Noon Luncheon: Century II: Bobby Scott, President, National Rural Water Association (p. 5)
- 1:30 p.m. Certification Exam, Water & Wastewater
Classes I - IV, Room 209A (see p. 42 for details)
- Map of Wichita, Century II (p. 44)
- Floor Plan, Century II Convention Center (p. 45)
- Hotels/Accommodations (p. 46)
- Registration Forms (p. 47, 49, 51)

SPECIAL GUEST



Senator Pat Roberts *(invited)* United States Senate

Senator Pat Roberts is a fourth generation Kansan from Dodge City. Senator Pat Roberts' service to the people of Kansas spans more than two decades. First as an eight-term congressman from Kansas' First District and now in his second term as United States Senator, Roberts has built a reputation as a leader in national security and defense issues, agriculture and health care. He is an advocate of a strong education system, free and fair trade policies, increased investment in science and technology, focused foreign policy and a strong military – all of which are necessary to keep Kansas competitive in today's rapidly evolving global marketplace.

As Chairman of the Senate Select Committee on Intelligence, Roberts is leading the effort to improve the country's intelligence gathering and analysis capabilities. Senator Roberts has been invited to speak at the noon luncheon on Wednesday, March 30.

SPECIAL GUEST



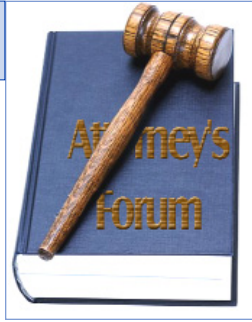
Bobby Scott President, National Rural Water

National Rural Water Association (NRWA) Board President Bobby Scott is the General Manager of the Savannah Valley Utility District located in Georgetown, Tennessee. Scott was appointed to the NRWA board in 1994 and has served as Senior Vice-President, Chairman of NRWA's Regulatory/Research Committee and has been an active member of the Finance and Long Range Planning Committees. He also serves on the Board of Directors for the Tennessee Association of Utility Districts.

Much of President Scott's National Rural Water duties include leading the charge for clean, safe and affordable drinking water in rural America. He spends a great deal of his time visiting locations throughout the United States. As Scott attends and participates in water conferences and legislative meetings, he challenges water and wastewater professionals to further their dedicated commitment to the water industry while protecting the environment.

Tuesday, March 29, Hyatt Trail Rooms, 9:00 a.m.

Attorneys' Forum 2005



The Fifth Annual KRWA Attorneys Forum will be held on Tuesday, March 29. Gary Hanson of Stumbo, Hanson & Hendricks, Topeka, has helped arrange for another outstanding program that is open to all KRWA-member water systems' attorneys.

Continuing Legal Education (CLE) credits of seven hours will be available to attorneys attending the entire session. There is no charge for attendance to the first 40 attorneys who register. Registrants must represent cities or rural water districts that are members of the Kansas Rural Water Association. Here is the schedule for the Attorneys Forum:

9:00 -10:25 Professor John Peck, University of Kansas School of Law, on water law issues for the public water supply system lawyer

10:35 - 11:15 Professor Mark Gross, University of Arkansas, on engineering services contracts

11:20 - noon Elizabeth Dietzman, Rolla, MO, on representing and defending of Section 1926(b) cases

Noon - 1:00 lunch, Room 208, courtesy of KRWA

1:00 - 2:15 Roundtable discussion of various topics for PWS lawyers (Part I)

2:15 - 3:30 Funding options for PWS's by Gary Smith, USDA/Rural Development, Marilyn Graham, Kansas Department of Commerce, and David Waldo, Kansas Dept. of Health and Environment

3:40 - 4:30 Roundtable discussion of various topics for public water supply lawyers (Part II)

Attorneys Forum attendees are invited to join in the opening of EXPO Hall and social hour in the main exhibit hall after the session, and then Tuesday evening's "Country Western Carnival" as well as the sessions on Wednesday and Thursday. Additional meals should be requested on the registration form.

Great American Water Taste Test!

KRWA is sponsoring the fifth annual Best Tasting Water in Kansas Contest. If you think your water is the best, then put it to the test! In 2002, the City of Emporia won and was among the five finalists in the nation; in 2003, Public Wholesale District No. 4 took the national honor! Last year, Emporia won the Kansas contest.

How to enter? It's easy. Just bring a one-gallon sample of water from your city or RWD in a glass container to the registration desk by 2 p.m. on Tuesday, March 29. A panel of water industry professionals will judge the samples later that afternoon.

In addition to fame and fortune of having the "Best Tasting Water in Kansas," the winner will be eligible to compete against other states at National Rural Water's "Rural Water Rally" in Washington, D.C. on April 19.



Poster Displays

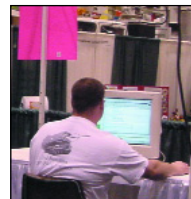
People learn by seeing how other communities are doing things. That's what makes the "Show 'n Tell" Poster Board display such a hit at KRWA's conferences. Here's a way

for your city or RWD to show off handy forms, work orders, policies, newsletters, CCRs, photos, etc. The Poster Board Display is limited to the first 25 systems that call to reserve space.

CCR Contest

KRWA was the first in the nation to sponsor a Consumer Confidence Report contest. Who is doing the best job with these required reports? If you'd like to enter your most current CCR, send three copies to KRWA by March 1. Cash prizes go to the winners in four categories:

- RWDs and privately owned systems under 3000
- Municipal systems under 3000
- Municipal systems 3000 to 25000
- Municipal systems serving more 25000 or more.

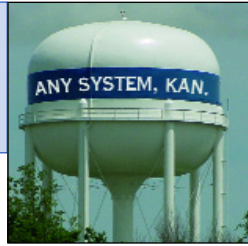


Cybercafe' – and wireless in EXPO Hall

In addition to having six computers online in EXPO Hall, KRWA plans to have wireless Internet throughout the exhibition area.

10:00 a.m. - 4 p.m., Hyatt Ballroom D

Water Storage Tanks: A to Z



"A to Z" in the title of this session implies covering the whole spectrum of water storage tanks. This session will attempt to cover as much of that spectrum that can be done in five hours. This fast-paced seminar covers need-to-know technical details for consulting engineers, municipal and utility manager and operators of cities and RWDs. Topics include standard requirements for water tanks, life cycle analysis, location, size and design considerations, construction methods and materials, protective coatings, inspection and maintenance and cellular antennae.

This program leads off with a review of safety issues facing utility employees and tank owners. There have been fatalities in Kansas from falls in tanks. Who's liable? Sanitary issues associated with tank maintenance, including how the use of portable pressure tanks, can alleviate concerns for operation during maintenance. The seminar will include a review of protective coatings for tanks as well as presentations on water storage tank structural issues, security concerns, tank designs, inspections, maintenance issues and the frequent questions associated with the placement of communication antennae on tanks. The session will also include a discussion of financing options, specifically reviewing innovative lease/purchase options. This is an outstanding program, regardless of your position in your city or RWD or consultant.

Presenters: Rudy Leutzinger

Kansas Dept. of Human Resources

Clyde Zelch

Tomcat Consultants/TAP Company

Randy Moore; Tom Stechmann

Utility Service Company

Moderator: Carl Chalfant, City of McLouth

Water operators receive five hours of credit towards certification for attending this session.

10:00 a.m. - 4 p.m., Hyatt Ballroom E

GIS/GPS Mapping: Applications, Accuracies, Costs and Usability



Cities, counties and RWDs across Kansas are interested in learning about the use of Geographic Information System and Global Positioning System technologies. This session presents an introduction to GIS/GPS, the various configurations and applications, accuracies, costs and usability and how to further utilize these powerful location and analysis tools. This seminar includes these topics:

- Brief overview of the GIS and GPS technologies.
- Display and discussion of sample GIS databases and GPS receivers representing the three main categories of GPS technology including accuracies, costs, applications, configurations, and usability.
- Discussion of the creation of a simple water system GIS database including GPS gathered data and other free datasets.
- Discussion of the important interoperability of the GIS and GPS technologies and what that means to the end user. See how powerful a tool GPS is for adding new water lines, meters, valves, and hydrants or other infrastructure to an existing GIS map database.
- Comparison of the power of the GIS database to the traditional map book. See the end-user interface, ie., the digital mapfile for a particular project displayed with mapping software on a notebook computer and on a hand-held PDA; learn how systems can zoom in, query, print, measure, etc.
- Review of a fully developed GIS/GPS water system application and the possibilities that it affords water system personnel.
- Parcel mapping, section/township corners, tech support for Autodesk and ESRI GIS software, and various GPS receivers and software.

Presenters: Stephen R. Thompson, P.E.;

Lowell Lamer

Kansas Rural Water Association

Moderator: Dan Byers, Kansas Rural Water Association

Water and wastewater operators receive five hours of credit towards operator certification.

10:00 a.m. - 4 p.m., Room 209A

**The Unseen Foundation:
Wastewater Collection,
System Evaluation and
Rehabilitation**



"Out of sight, out of mind!" Unfortunately that old adage often applies when it comes to wastewater collection systems. Does your wastewater system perform as it was intended to? Does it perform as you need it to? What kind of physical condition is your sewer system in? How much money does your collection system cost you each year because of its deficiencies?

These are important questions that need to be answered. Many possible answers and options will be discussed during this workshop. The presenters of this session have a wide range of experience in performing detailed evaluations of collection systems and in developing and implementing sewer system rehabilitation plans. They will cover the system evaluation techniques of smoke testing, dye testing, video-taping and visual observations. In regard to rehabilitation options, they will discuss repair versus replacement, including re-lining of existing mains and pipelines and manhole rehab including lining and structural repair. One of the real valuable services that will be discussed is developing a plan by prioritizing system faults and deficiencies regarding the impact the problem has on your system and the cost-benefit aspect of its repair or replacement."

- Presenters:** **Clifford Cate**
Trek Design Group
Steve Hontz
Ace Pipe Cleaning
Brian Smith
Insituform

Moderator: Abdu Durar, City of Manhattan

Wastewater operators who attend will receive five hours of credit towards operator certification or renewal.

10:00 a.m. - 4 p.m., 209B

**Enhanced Coagulation
and Membrane
Filtration Technologies**



New drinking water regulations and treatment requirements are upon us. Surface water systems are being hit on all fronts with new standards and higher expectations for water quality. Disinfection by-products have been a key issue and new regulations increase requirements at all points in the distribution system. The second phase of the Enhanced Surface Water Treatment Rule establishes requirements for the removal of microbes that are not subject to removal by conventional means or disinfection.

The water treatment business is changing. Along with the new regulations come new technologies for water treatment. This seminar will include information about enhanced coagulation and sedimentation treatment technologies for surface water as well as membrane filter treatment technologies. The presentations will include material from a design engineer who has studied, designed and implemented successful use of enhanced coagulation and membrane filtration. He will discuss various technologies that are available and offer some insight as to how a system can determine what technologies are best to use for the water source. There will also be a presentation from a manager/operator of a rural water district that utilizes enhanced coagulation and sedimentation and ultrafiltration membrane treatment. His presentation will focus on actual operational experiences with implementing new technology and maintaining a successful treatment plant process for the last several years. This system purchased equipment direct and constructed their own plant. Bring your questions. You'll get answers from people who've lived this technology.

- Presenters:** **Michael Kalis**
Archer Engineers
Leonard Whiting
Public Water Dist. 7, Cass Co., Missouri

Moderator: Ron Snethen, City of Ottawa

Water operators receive five hours of credit.

10:00 a.m., Room 210A

Administrators' Forum: Getting the Right Help – Making the Right Decisions



This year's pre-conference features a special session that will focus on management and financial issues. The target audience is board and council members, administrators and managers.

Carl Brown, who is nationally recognized for his work with management and financial issues for public water and wastewater utilities, will review processes that utilities can use effectively to help them determine when they need professional, outside help – and how to decide what type of service provider to obtain. How do you get the right engineer or advisor? Your goal should be to get the best return on your investment. Attend this presentation to learn how to make the right decisions early as to what the city or RWD can do for itself with its own staff and resources, what it will "hire" done and who to hire to do it. Then, what control will the utility exert over the service provider.

Good communication is essential. This session includes a series of simple exercises to demonstrate some key principles to communicate goals that are timely, specific and achievable.

Elected officials, administrators and managers make critical decisions about finances. They need to understand the financial requirements related to the rehabilitation and replacement of the system's equipment and assets. Asset Management can be very complex and technical. This seminar presents Asset Management in simpler terms – focusing on five areas: Inventory, level of service, criticality and risk, management and cost alternatives, rate setting. This seminar gives a broad brush coverage of how Asset Management is done.

Presenters: **Carl Brown**
Missouri Dept. of Natural Resources
Sandy Neal
Alliance Water Resources, Inc.

Moderator: Larry Remmenga, City of Concordia

No credit is awarded for operator certification for attendance at this session.

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10:00 a.m.; Repeat at 1:00, Room 210B

Computer Security: Anti-Hacker 101!



Internet technology and security should be foremost in one's mind while using a computer that is connected to the Internet via phone or a broadband connection. Individual users need to be aware of how to avoid security risks and also how to handle the problem once a virus enters a computer. This session provides the information you need to know to help take responsibility for information security. The cost of being shut down or paralyzed by a virus can be great, not to mention frustrating. Attackers are opportunistic. They take the easiest and most convenient route and exploit the best-known flaws with the most effective and widely available attack tools. They count on organizations and individuals not fixing the problems, and they often attack indiscriminately, scanning the Internet for any vulnerable systems. Attend this seminar to learn how to avoid the pitfalls. Take home information (a CD loaded with security tools, provided complimentary by KRWA) that can help your city or water district and yourself. Learn about these topics and more:

- Top threats that currently exist on the Internet
- Spyware is outpacing virus technology.
- Phishing attempts grow more sophisticated and dangerous for the unaware.
- How can I protect myself against constant peril as my family surfs the Internet?
- Take home the tools to protect your computer.

Presenter: Eric A. Yehle
Technical Velocity, LLC

*Moderators: Rita Clary, City of Troy
Patricia Schlesener, Dickinson RWD 2*

No credit is awarded towards operator certification or renewal for attendance at this session.

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10:00 a.m. - 4 p.m., Room 210C

Vulnerability Assessments For Small Water Systems in Kansas

As a result of the terrorist attacks on September 11, 2001, the federal and state governments have recognized the urgent need for protecting assets from loss due to attacks by dedicated and well-trained adversaries (including terrorists). Counter-terrorism activities in the United States include protecting public water supply systems from terrorist attack. Passage of PL107-188, the Public Health Security and Bioterrorism Preparedness and Response Act of 2002, required public water supply systems serving populations of more than 3,300 to conduct vulnerability assessments (VA). Public water supplies serving populations of 3,300 persons or fewer were not required to conduct VAs or prepare emergency response plans (ERP).

Through a grant that the Kansas Department of Health and Environment (KDHE) obtained from the U.S. Environmental Protection Agency (EPA), Tetra Tech EM Inc. (on behalf of KDHE) will offer VA and ERP development training at the KRWA conference to operators serving populations of 3,300 persons or fewer. The course will provide knowledge needed to conduct the VAs to identify deficiencies and weaknesses, develop facility-specific ERPs, and recommend the most prudent measures and improvements to provide a reasonable level of risk – with aims of helping to ensure the security and safety of the facility, and ultimately protecting the public's health and welfare. Small systems are encouraged to attend this session.

Presenters: Jeremy Kaufman; Chris Hill
Tetra Tech EM, Inc.

Moderator: Mike Mayberry, Kansas Rural Water Assoc.

Water operators who attend will receive five credit hours toward certification.



10:00 a.m.; repeat at 1:30 p.m., Room 203

KanCap Improved Management For Better Drinking Water



It's been nearly two years in the making and now, KanCap is ready to help provide information to board and council members and staff. What is KanCap? It's the "one of a kind" board/council training program aimed at helping sustain and improve management for better drinking water.

The 2005 KRWA conference will be the first time that the KanCap training program is presented in final form. Board/council members and staff should attend.

KanCap is not your typical 'three-ring binder' of training materials. KanCap is a "program" – covering hundreds of issues associated with technical, managerial and financial aspects of owning and operating a public water system.

KanCap was "Made in Kansas – for Kansans!" It was developed with input and dialogue from other organizations and stakeholders such as the League of Kansas Municipalities, Kansas Section AWWA, Midwest Assistance, other organizations and associations, state and federal agencies and focus groups of city council members and RWD board members. The goal? To have materials and resources to help board and council members gain greater confidence in knowing what to do and where to turn. KanCap presents information in a way that is first of a kind with quizzes, hundreds of references and examples. Those who attend will receive the KanCap handbook and interactive CD.

Presenters: Cathy Tucker-Vogel
Kansas Dept. of Health & Environment
Pat McCool
Kansas Rural Water Association

Moderator: Corky King, Miami RWD 4

No operator credit is provided for attendance at this session.

It's the "Country Western BBQ & Carnival"

KRWA took a survey of conference-goers from 2004 and asked their opinions for the opening nite "Meet & Greet". The response was: "More real food" and "Bring back that carnival!" So, mud wrestlin' is out for another year . . . and what's in is a "full meal deal" of hometown barbecue with potato salad, baked beans, cole slaw and desert – and the KRWA Midway. There's more.

On stage in Convention Hall, for your easy listening, or for dancing, enjoy the Mark Engels band – keeping it



country! If you miss the sounds of Real Country Music (Haggard, Jones, Lefty, and Bob Wills), then you're in for a treat at the KRWA conference. Please enjoy the music of Benton, Kan. native Matt Engels and his band. Long live the fiddle

and pedal steel guitar!

Now while some folks might just want to sit and listen, or dance, there's sure to be others who are going to take in the carnival in the adjacent Exhibition Hall.

KRWA will again sponsor Ottaway

Amusements and a dozen plus professional midway games.

Nearly everyone comes up a winner and the teddy bears leave by the arms' full. Mixed in, there'll be two caricaturists, the very popular palm reader, clowns, a magician and more.

This is one Midway that is guaranteed to please. From the Kentucky Derby to Bug Blaster, from Basketball Toss to the Spider ride, it's one big party with social and fun galore.



There's one goal at KRWA's Opening Nite Country Western Carnival. It is that the 2000 plus who show up have a good time – good food and some good fun. Best of all – it's free to all who pre-register.

Mark your registration form if you plan to attend. And remember, register by March 16 to have the reduced price, plus a complimentary ticket to the Country Western Carnival and full buffet breakfast Thursday morning.

7:30 a.m. Registration Opens, center lobby of Century II: complimentary coffee, juice, bagels and muffins. Exhibits open at 10 a.m., tour all day.

OPENING SESSION

8:30 a.m., Concert Hall, Century II

Opening Video, National Anthem

Invocation: Dennis Schwartz, Director, KRWA

Welcome: Patricia Shaffer, President, KRWA

Timm McCurdy, Century II

KEYNOTE SPEAKER



VERN SILVERS

Speaker, Management Consultant

Today we see people facing difficult times in our society, workplace and family life. In some professions we see some people taking shortcuts and being dishonest. We also see individuals able to excel and do extraordinary accomplishments that are unequalled. These people can nourish their self image and become aware of some great things that can move them to a very high level of living and professional life. Individuals at all levels are using powerful methods such as Psycho-cybernetics and Emotional Intelligence to bring out neglected strengths that they were not bold enough to do in the past. It is not a matter of juicing up something artificial but giving these passions light, air and wings.

Vern has given presentations through Spanish, French and sign language interpreters in Canada, USA, Mexico, Puerto Rico and Jamaica. He has spent time with people in shacks in the off-shore islands, presidents and vice-presidents of major corporations such as Westinghouse, Philips Lighting and Phillips Oil, astronauts on Apollo XVII, before and after the moon landing, Charlie Plumb (POW 6½ years) and a PGA golfer. Vern is known for his many awards and accomplishments in life including Meritorious Award, Pittsburg State University, World Champion Environmentalist, Philips Corporation, and appointments by governors, university leaders and many others.

Vern's presentations have changed and enlightened the lives of many people in all walks of life.

Hyatt Ballroom D

Moderator: Galen Penner
Marion RWD 4
Op. Credit: W

Water Tank Inspections And Maintenance Contracts

Water storage tanks are a major investment. The proper maintenance of tanks is critical to the protection of that investment. Some systems may have experienced shortcomings with maintenance contracts and contractors. Having qualified tank inspection helps ensure proper contractor performance. This session will offer specific guidance as to the who, what and when aspects of tank inspections.

Randy Moore
Utility Service Company
Kirkwood, Missouri

Hyatt Ballroom E

Moderator: Roger Koch
City of Axtell
Op. Credit: WW

Innovative Cover And Aeration Technology For Lagoon Upgrades

Lagoons are an effective and economical method for treating sanitary wastewater for small and medium sized communities. Some regulators have questioned whether lagoons will be able to meet parameters of future permits as more emphasis is placed on wastewater discharge quality. This session will discuss available modifications that will continue to make lagoons a viable treatment option in the future.

Michael Zimmerman
Archer Engineers
Prairie Village, Kansas

210 A

Moderator: John Sweet
City of Lions
Op. Credit: W & WW

Getting The Right Help From The Right Service Providers

This session will provide valuable information to help cities and RWDs and other utilities decide when they need professional, outside help; how to decide what type of service provider to get; and how to get the right service provider. Determining what the city or RWD can do and what the professionals will do can reduce costs and save time. Also what control can the utility exert over the outside service provider.

Carl Brown
Missouri Dept. Natural Resources
Jefferson City, Missouri

210 B

Moderator: Louis Hartman
City of Holton
Op. Credit: W & WW

Troubleshooting Pump Stations And Pump Maintenance Issues

This session, presented by a well-known pump service expert, will offer practical information for the troubleshooting of pump stations. Learn how to determine the cause of pump start-up failures, failed control systems as well as general pump station operation and maintenance issues. Bring your questions and take advantage of the opportunity to have your pump station questions answered.

Fred Douglas
Douglas Pump Service
Overland Park, Kansas

209 A

Moderator: Veda Maxwell
Crawford RWD 7
Op. Credit: none

Territorial Agreements And 1926(b) Issues

This session will include what preparations a water district should make before considering filing a 1926(b) case over annexation issues with a neighboring water system. A checklist of issues to be considered and reviewed will be provided. There will also be a review of territorial agreements and use of them to settle or possibly avoid a 1926(b) case. Samples of territorial agreements will be discussed.

Elizabeth Dietzman
Attorney At Law
Rolla, Missouri

209 B

Moderator: Sam Atherton
Public Wholesale District No. 4
Op. Credit: W

Chlorine Dioxide Treatment For Potable Water Systems

The use of chlorine dioxide as a method of providing disinfection without the formation of trihalomethanes and haloacetic acids is proving to be a successful disinfection. Chlorine dioxide has also been proven to be an excellent oxidant and taste and odor control treatment. This session will provide practical information as to the generation, application and effectiveness of chlorine dioxide.

Jeff Downing
Purline
Irvine, California

210 C

Moderator: Joan Kenny
Kansas Dept. of Agriculture
Op. Credit: none

Regional Public Water Supply Planning

Public water suppliers face many challenges in providing service to their customers. The issues range from rapid increase in water demand, aging or inadequate water treatment and distribution infrastructure, and limited supply sources. In many cases, regional cooperation offers a viable solution to meeting future needs at reasonable costs. This session will address state efforts to provide guidance as systems face these challenges.

Margaret Fast
Kansas Water Office
Topeka, Kansas

203

Moderator: Darrell Schlabach
Washington RWD 1
Op. Credit: W & WW

HDPE: This Could Be The Pipe Of Your Future

High Density Polyethylene pipe has shown benefits in both potable water and wastewater applications. HDPE is used in more than 90% of natural gas distribution piping. HDPE is the material of choice to gain a leak-free system, resistance to corrosion, excellent flow characteristics, durability and flexibility. This session reviews features of HDPE pipe, fittings capabilities and applications and has a live fusion demonstration.

Kyle Risenhoover
ISCO Industries
Jenks, Oklahoma

Hyatt Ballroom D

Moderator: Roy "Rocky" Fund
Jackson RWD 1
Op. Credit: W

Water Tank Sanitary Issues And Portable Pressure Tanks

This session will provide eye-opening, detailed information about components of a water storage tank that may, if not properly constructed and maintained, become a source of serious contamination for your water system. The presenter will also discuss the use of portable pressure water storage tanks that can be used to maintain service without causing loss of valuable finished water during tank maintenance.

Clyde Zelch
TomCat Consultants/TAP Co.
Rosebud, Missouri

Hyatt Ballroom E

Moderator: Tim Schook
City of Washington
Op. Credit: None

Building The Board/Council Team

This fast paced workshop focuses on defining the job of the board or council member and the job of the manager, and how the two should work together to form the board / council / staff team. The presentation will help you explore the typical problems all boards and councils encounter. It will clarify the responsibilities of the team to plan, develop policy, delegate, monitor and evaluate. This is a hands-on session with worksheets and time to discuss.

Dan Cain
Cain Consulting
Hawarden, Iowa

210 A

Moderator: Jack Sowder
City of Burlington
Op. Credit: W

The Use Of Combined Chlorine In Water Treatment

Many water supply systems add to the water both chlorine and ammonia which react to form combined chlorine. This session discusses the advantages, operational controls, and problems of using combined chlorine. This session will be of particular interest to surface water treatment plant systems which use combined chlorine to lower disinfection byproducts. Others will also find it of interest.

Pat McCool
Kansas Rural Water Association
Lawrence, Kansas

210 B

Moderator: Pam Erhart
City of Winchester
Op. Credit: None

Fair Labor Standards Act - Wage & Salary Issues

Is your city or RWD complying with the wage and salary requirements of the Fair Labor Standards Act? This session will offer expert information on the changes that have recently been implemented in the revised FLSA and will specifically address issues concerning employee wages and salaries. This is an opportunity to have your questions answered directly by someone who knows the regulations.

Susan Lang
U.S. Dept of Labor/Wage Hour Div.
Wichita, Kansas

209 A

Moderator: Terri Lofdahl
Lyon RWDs 1 and 5
Op. Credit: None

Water Rate Checkup: Kansas' New Software Program For Systems

Rate Checkup is a water rate setting software model that helps communities establish the financial capacity to provide safe drinking water to their customers for the short and long-term. KDHE has negotiated a statewide user license for this software which will be available for download at no charge by public water supply systems. Attend this session for the introduction and demonstration of the program.

Cathy Tucker-Vogel
Kansas Dept. Health & Environment
Topeka, Kansas

209 B

Moderator: Mike Gilliland
City of Osage City
Op. Credit: W & WW

Advances In Backflow Prevention Devices

The use of proper backflow prevention devices with their proper installation, required inspection and proper maintenance has long been the backbone to any system's backflow prevention program. This session will offer a discussion as to advances that have been made in backflow prevention devices such as double check valve assemblies and reduced pressure principle zone devices.

Jamie Shibel; Joe McClain
Mack McClain
Olathe, Kansas

210 C

Moderator: Joe Cabrinha
City of Atwood
Op. Credit: W

Simultaneous Removal Of Arsenic, Iron, Manganese, And More

Removal of difficult contaminants from drinking water can be aided by new technology. Learn how this high rate, granular filter media is used for the simultaneous removal of manganese, iron, arsenic, radium, uranium and hydrogen sulfide from groundwater. This technology may offer your water system an efficient, space saving and highly effective treatment method that fits in a small "footprint."

Ron Rappard
Layne Western Company
Kansas City, Kansas

203

Moderator: Phillip Lange
Shawnee Cons. RWD 1
Op. Credit: W

Sampling Plans: Does Your Plan Comply With Regs?

All public water systems are required to have and follow a sampling plan. Your system's plan is required to be representative of the water distribution system and the overall service area. This session will provide guidance as to what a proper sampling plan includes. It will include a discussion of sampling for various drinking water parameters including bacteriological monitoring.

Helen Holm
Kansas Dept. Health & Environment
Lawrence, Kansas

Hyatt Ballroom D

Moderator: Janet Brown
City of Hill City
Op. Credit: None

Communication Goals For Success

Providing direction and guidance for community water and wastewater systems requires successful communication of goals and objectives to the staff responsible for running the system. This session will provide a series of simple exercises to demonstrate to community leaders some key principles of communicating so that goals are timely, specific and achievable.

Sandy Neal

Alliance Water Resources
Columbia, Missouri

Hyatt Ballroom E

Moderator: Sandra Landzrath
Harvey RWD 1
Op. Credit: None

Where There's A Will, There's A Way! Have A Positive Attitude

This presentation builds on the themes of the Opening Session. Do you struggle daily to reach your goals, overcome obstacles, and eliminate pesky worries about your future? Most of us still live by the motto "no pain, no gain." But this approach to life is actually a prescription for fear, frustration, and self-doubt. Learn about the Psycho-Cybernetics formula to help you achieve all your goals with greater ease and faster than you imagined.

Vern Silvers

Management Consultant
Salina, Kansas

209 A

Moderator: Randy Johnson
Kansas Rural Water Association
Op. Credit: W

Regulatory Update For Public Water Supply Systems

This session will review existing regulatory requirements for the Stage 1 Disinfectants and Disinfection Byproducts Rule (DDBPR), the Long Term 1 Enhanced Surface Water Treatment Rule (LT1 ESWTR), the Arsenic Rule and the Radionuclide Rule. This session will also cover proposed regulatory requirements for the Groundwater Rule, Stage 2 DDBPR and the LT2 ESWTR.

Kelly Kelsey

Kansas Dept. Health & Environment
Topeka, Kansas

209 B

Moderator: Paul Froelich
City of Enterprise
Op. Credit: None

Handy Dandy Window Tips And Tricks

Learn about screen grabs, data searches, filters, best backup methods, word processing tips, wiping clean sensitive data beyond recovery, etc. Hear about software available free over the Internet that can perform marvels like finding a single word, phrase or name within any document anywhere on your hard drive in an instant. Lighten your workload; get more value out of your computer investment.

Merle and Linda Windler

Thoroughbred Systems Inc.
Topeka, Kansas

210 A

Moderator: Jim Jackson
Kansas Rural Water Association
Op. Credit: W

USDA Wellhead And Source Water Protection Program

The protection of drinking water supply source water should be a top priority of all public water systems. At this session an expert on USDA programs for the protection of all source waters will describe those programs in detail and make attendees aware of the benefits they offer to their public water supply systems. Learn also about a program that KRWA provides through USDA Rural Development to assist with source water protection plans.

Rod Winkler

USDA/FSA
Manhattan, Kansas

210 B

Moderator: Jim Boyer
City of Eudora
Op. Credit: W & WW

Pump Hydraulics 101

This session will offer attendees information on practical pump hydraulics. The presenter will review the basics of pump hydraulics and then take the attendees through a hands-on series of actual pump problems and show them how to work actual calculations. This session has been offered in the past at a number of venues and has always been popular with operators.

Mark Gross

University of Arkansas
Fayetteville, Arkansas

210 C

Moderator: Cheryl Beatty
City of Kingman
Op. Credit: None

Utility Job Descriptions: Do Your's Comply With FLSA

The federal Fair labor Standards Act (FLSA) applies to your utility. Not only are your employees entitled to its protection, the employer can be subject to assessment of back wages, attorneys fees, fines and penalties for failing to comply. Many utilities are not complying with the law! This session discusses classification of employees, overtime, use of comp-time plans, child labor rules and record keeping.

Gary Hanson

Stumbo, Hanson & Hendricks
Topeka, Kansas

203

Moderator: Dave Grimm
City of Hiawatha
Op. Credit: WW

Wastewater Plant Design: A Case Study, Hiawatha, Kansas

How do you paint a moving train? How do you design wastewater treatment facilities for the future when the rules keep changing? Learn how the City of Hiawatha is addressing the challenges of ammonia toxicity, biosolids handling, high flows due to infiltration / inflow, and (coming soon...) nutrient control. Wastewater operators, managers and administrators will find this an interesting and helpful session.

LaVene Brenden

Bartlett & West Engineers
Topeka, Kansas

Hyatt Ballroom D

Moderator: Mary Reed
City of Parsons
Op. Credit: None

Surviving and Thriving As a Board/Council Team

This session explores some of the real "in-the-trenches" issues facing board/council members and managers trying to do their job right. These include holding good productive board/council and committee meetings, resolving conflict on the team, recruiting good new board members, communicating better with members and the public and establishing policies that work. Take ideas home that help.

Dan Cain
Cain Consulting
Hawarden, Iowa

Hyatt Ballroom E

Moderator: Lana Kettler
Miami RWD 2
Op. Credit: W

Water Main Extension Policies And Working With Developers

Many water systems have used a variety of policies for handling water main extensions. Should the system pay for all extensions? Should the developer or potential user pay? Should costs be shared and if so by what formula? This session will provide practical information as to how to develop a water main extension policy and offer some useful tips when working with developers. Learn what others are doing and their reasons.

Dennis Schwartz
Shawnee RWD 8
Tecumseh, Kansas

209 A

Moderator: Glyn Powers
City of Edgerton
Op. Credit: WW

Regulatory Issues for Wastewater Treatment Facilities

Wastewater systems are continually facing the challenge of meeting their current permit effluent (discharge) limits and complying with all other rules and regulations. Systems should be prepared to address future regulations and possibly more stringent permit limits while once again staying within budget and user's abilities to pay. This session will offer usable information.

Rod Geisler
Kansas Dept. Health & Environment
Topeka, Kansas

209 B

Moderator: Bruce Smith
Douglas RWD 3
Op. Credit: W

Advances In Water Quality Disinfection Analysis

This session will focus on testing for chlorine, chloramines and ammonia and will include the advantages, disadvantages and differences between chlorine, combined chlorine, monochloramine, ammonia and free ammonia using DPD, Nessler's, Salicylate, monochloramine and ISE methods. Also learn how to use these tests to balance your ammonia to chlorine ratio.

Kevin Menning
Hach Company
Loveland, Colorado

210 A

Moderator: Doug Eller
City of Little River
Op. Credit: W & WW

Improving Your One Call Response

Using the Internet could be your ticket to creating a better One Call response system for your utility. The presenter will discuss the use of ITIC – an Internet based ticket that allows member utilities and contractors to file their locates over the Internet for FREE. Also learn how utility members get reporting capabilities on any locate called in or sent in by ITIC and any ticket sent to them by Kansas One-Call.

David Butler
One Call Concepts
Wichita, Kansas

210 B

Moderator: Scott Robertson
City of Phillipsburg
Op. Credit: W & WW

Confined Space Safety Equipment

Working in confined spaces is always potentially a hazardous activity. Having the right safety equipment and knowing how to use it properly may save your life. This session presented by well known fire and safety trainers will offer information about available safety equipment for use in entering confined spaces and how to use that equipment properly.

Cheryl Treptow; Kevin Jones
Midwest Fire Training Associates
Burlington, Kansas

210 C

Moderator: Kerry Shewey
Marion RWD 4
Op. Credit: None

Trends In Funding And Financing Options: Trends at USDA

Learn about cost trends in recent fundings of water and wastewater projects. Topics in this session should be of interest to system officials when addressing current and future financing needs. Come learn about all the programs that USDA Rural Development has that can benefit and sustain your community or rural area.

Gary Smith
USDA Rural Development
Topeka, Kansas

203

Moderator: Jeff Lamfers
Kansas Dept. Health & Environment
Op. Credit: W & WW

U.S. EPA Drinking Water Program Update

This talk will update attendees on the status of the drinking water program in Kansas from the federal perspective on national goals, KDHE primacy, new rules and security. EPA like other federal agencies is required to manage by setting goals and this presentation will discuss how this impacts the program for EPA and KDHE. It will also cover the status and likely impact of three rules that EPA plans to publish in final form in 2005.

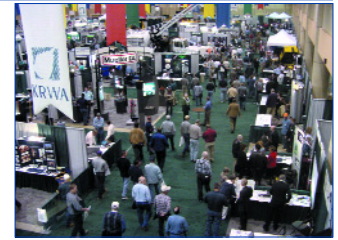
Ralph Flournoy
Environmental Protection Agency
Kansas City, Kansas

EXHIBIT HALL FLOOR PLAN

To Sessions, meals	25	26	27	28	29	30	31	32	"Show 'n tell" Poster Displays Coffee, Tea						
1	33	34	35	36											
2	37	38	39	40	41	42	43								
3															
4	44	45	46	47	48	49	50								
5	51	52	53	54	55	56	57	58							
Restrooms; phones															
6	59	60	61	62	63	64	65	66							
7	67	68	69	70	71	72	73	74							
8															
9	75	76	77	78	79	80	81	82							
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11									114						
12	91	92	93	94	95	96	97	98	99	100	101	115			
Soft Drinks	102	103	104	105	106	107	108	109	110	111	112	116			
13	119	120	121	122	123	124	125	126	127	128	129	130	131	117	
14	132	133	134	135	136	137	138	139	140	141	142	143	144	118	
Restrooms; phones														K R W A	
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17															
18	173	174	175	176	177	178	179	180	181	182	183	184	185	186	
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20															
To Hyatt	201	202	203	204	205	206	207	208	209	210	211	212	213	214	
21	215	216	217	218	219	220	221	222	223	224	225	226	227	228	
22															
23	229	230	231	232	233	234	235	236	237	238	239	240	241	242	
24	243	244	245	246	247	248	249	250	251	252	253	254	255	256	
Soft Drinks & Popcorn	257	258	259	260	261	262	263	264	265	266	267	268			

Exhibits are big part of KRWA conferences!

In 2004, more than 2000 people from 278 cities and more than 200 rural water districts attended this conference & exhibition. It's a great place to shop and compare – and learn.



Schedule for Exhibits to be open:
Tuesday, 4:00 p.m. - 6:30 p.m.
Wednesday, 10 a.m. - 6:30 p.m.
Thursday, 8 a.m. - 12 noon.

Note: Opening Session begins at 8:30 a.m., Wednesday, March 30 in Concert Hall. Exhibits open at 10 a.m.

The final Exhibitor Directory and floor plan will be included in your registration packet.

Check out the **Water Pac Raffle** in KRWA's booth.

Door prizes donated by exhibitors will be announced or drawn for at the Thursday noon luncheon.

"Thank You" to all exhibitors and sponsors who help make this conference the largest and best in the Midwest.

Wateringhole
Cybercafe'

Hospitality
Food &
Fellowship

Bagels,
Muffins,
Cookies,
Coffee, Soft
Drinks, OJ, Tea
and more

**Wednesday (depart CII at 11:15 east lobby)
Lunch & Lecture at Pyradomes**

The Wednesday Spouse Program takes in two renowned facilities in Wichita. Departing Century II by bus at 11:15 a.m., the spouses head to the Pyradomes, officially known as The center for the Improvement of Human Functioning International. The facility is composed of eight geodesic domes and a 39-foot pyramid located on 90 acres. The center is a non-profit medical research and educational organization which has seen patients from all 50 states and 39 foreign countries. A delicious whole food meal will be complimented with a presentation by Dr. Ron Hunninghake, M.D.



Following the lunch and tour of Pyradomes, spouses will board buses for a stop at the recently expanded Wichita Museum of Art. The museum houses one of the world's finest collections of American art, spanning three centuries of painting, sculpture, works on paper, and decorative arts. Masterpieces by Mary Cassatt, Winslow Homer, and Edward Hopper are among the more than 6,000 works in the permanent collection. The museum also features a stunning 6,000 square foot great hall with elegant glass by internationally renowned artist Dale Chihuly. After the tour, buses return to Century II.

**Thursday, 10:00 a.m., Room 202
Nutritional Health**



Dr. Loretta Forlaw, DNSc. RN, is assistant professor, Wichita State University School of Nursing and Vice-President of Health Speaks, Inc., Wichita, Kan. Lori has spent her nursing career in both civilian and military healthcare environments. Her clinical focus is adult and child nutritional health. She is a founding member of the American Society of Parenteral and Enteral Nutrition.

Lori's presentation will be about nutritional health and living a healthy life style. Her emphasis is on using food to fill your nutritional needs, not your emotional needs. She advocates the modification of nutrition to assist in the improvement of a variety of diseases. You will find this an informative and beneficial presentation.

Wednesday evening, March 30

5:00 Social in EXPO Hall

6:30 Banquet Hall opens

7:30 Awards Presentation, Entertainment

Operators, Managers, Administrators, Special Recognition, CCRs, Friend of Rural Water, Taste Contest, Silver Faucet Award by USDA Rural Development

ENTERTAINMENT

A giant of classic country music, Hank Williams' life was a combination of outstanding success and endless pain. Although he is known as a father of rock and roll and a pioneer of country music, his personal life was filled with pain and tragically cut short. His story is brought to life through Cabaret Oldtown's production, "Hank Williams: Lost Highway," starring acclaimed stage performer John Mueller. There are 10 cast members.



This celebrated production showcases the highs and lows of Williams' life, demonstrating an intense musician and showman. Relive his classics "Hey, Good Lookin'," "Jambalaya," and "Your Cheatin' Heart", among others.

John Mueller's performance not only nails great musical numbers but also convinces you that you're seeing Hank Williams perform at different times in his career.

Make sure you have a ticket to the Awards Banquet and "Hank Williams: Lost Highway." It's a perfect combination to cap a great day at KRWA's 2005 conference.

GRAND DOOR PRIZES

Hundreds of hours of work again allow KRWA to offer three quilts as grand door prizes. Kathleen



Ronnebaum has designed and pieced these patterns for 2005: *Coffee & Cream* - blocks of stars with contrasts of cream with reds, blues, greens and browns with a unique pieced border; *Pot Luck*, consisting of four-patches in pastel colors and *Butternut & Blue* nine-patches with alternating homespun plaids, assembled in strips with Civil War reproduction fabric designs, machine quilted. All are all cotton fabric. Each is queen size. One will be given at the banquet Wednesday; two will be drawn for at the Thursday luncheon. Your meal ticket is your chance to win.

Hyatt Ballroom D

Moderator: Lizabeth Finley
City of Altamont
Op. Credit: W

**Public/
Private
Partnerships**

Public-private partnerships take many forms. They can be as simple as hiring a CPA or an attorney or they can be as complex as full ownership and operation of a utility by a private company. In the middle is contract management and operation. This session will explain and clarify misunderstandings about the various forms of public-private partnerships. Emphasis will be placed on contract O&M.

Craig Edlund
Alliance Water Resources
Columbia, Missouri

Hyatt Ballroom E

Moderator: Melodi Bowen
City of Burden
Op. Credit: W

**How To Prepare A
Newsletter For \$10
Or Less**

Over the long term a newsletter can become a great benefit by communicating the organization's positive image to a wide range of constituents. Providing regular, timely and targeted information on an organization's activities, events and people does not need to be expensive. The session will cover down-and-dirty but effective ways to produce a newsletter, tips on what to include, who to send it to and how to send it.

Dan Knupp
Kansas Rural Water Association
Wamego, Kansas

209 A

Moderator: Eric Boone
City of Yates Center
Op. Credit: WW

**Certified
Wastewater Operator
Forum**

This is an excellent session to attend if you are preparing to take the KDHE certification examination at the conclusion of the conference. The session is a review only and not meant to be a comprehensive preparation course. Topics to be covered include operator expectations, examination concepts, basic math problems and sample wastewater questions. Study tips and exam taking strategies will also be addressed.

**Marsha Carpenter
Vickie Wessel**
Kansas Dept. Health & Environment

209 B

Moderator: Rob Lawson
City of Norton
Op. Credit: W & WW

**Flowmeter Technology:
One Size Does Not
Fit All**

Many water and wastewater systems are faced with gathering flow information from their distribution or collection systems. This session will provide information on new flowmeter technologies that can be used to collect system flow data as well as solve many other water and wastewater flow measurement needs.

Fred Eisenbarth
Alpha Supply Company
Shawnee Mission, Kansas

210 A

Moderator: Doug Helmke
Kansas Rural Water Association
Op. Credit: W

**Water Rights: Ag To
Public Water Supply;
Internet Reporting**

In this post-development age of water rights, the most cost effective method to increase water supply capacity may be to purchase existing water rights. Learn what must be known to successfully purchase and change an existing water right from irrigation to municipal use. Also learn about the Internet water use reporting system coming soon.

Lane Letourneau
Division of Water Resources
Topeka, Kansas

210 B

Moderator: Maurice Meirowski
Harvey RWD 1
Op. Credit: W

**Revolving Loan Funds
For Water And
Wastewater Utilities**

KDHE administers revolving loan funds for both water and wastewater utilities. Since 1997, the loan fund for water systems has funded nearly \$300 million with smaller cities and RWDs receiving 87 of the 124 loans (70%) for a total of \$101,432,391 or 37% of the total committed in loans. Since 1988 The Wastewater SRF has 270 loans totaling \$690 million. This session describes the programs and process.

David Waldo; Rod Geisler
Kansas Dept. Health & Environment
Topeka, Kansas

210 C

Moderator: Alan Thomas
City of Hugoton
Op. Credit: W

**Public Water
Supply Well
Rehabilitation**

Groundwater systems rely on their wells to produce the needed volume of water to meet their system's demand. Just like any other part of your infrastructure your wells need to be maintained. This session's presenters have a great deal of expertise in providing maintenance treatments to wells. They also have experience with rehabilitating wells that have gone beyond what a maintenance treatment can cure.

Terry Alexander; Don Teeters
Alexander Pump & Service
St. Marys, Kansas

203

Moderator: Rick Shain
City of Marysville
Op. Credit: W

**Vulnerability
Assessments For
Smaller Cities, RWDs**

Every city and RWD should take precautions to protect their assets from loss due to attacks. Whether it be terrorists or local pranksters, utilities need to safeguard their facilities. This session provides a review of the process local systems should follow to identify weaknesses. It also will provide information for system to follow to develop Emergency Response Plans.

Jeremy Kaufman; Chris Hill
Tetra Tec, Inc.
Lenexa, Kansas

Hyatt Ballroom D

Moderator: Sherry Miller
City of Sedan
Op. Credit: W

**Lease Purchase/
Installment Purchase:
Tank Financing Option**

This session discusses how installment purchase financing works and compares to other financing options. The discussion will include how this financing option can be combined with other services to offer a turnkey option for a new tank, meaning a package that includes design, financing, construction and maintenance of the tank. This financing model can be used to finance any capital project.

Randy Moore
Utility Service Company
Kirkwood, Missouri

Hyatt Ballroom E

Moderator: Allen Dinkel
City of Hoisington
Op. Credit: W & WW

**Hiring An Engineer:
Understanding The
Typical Contract**

The presenters for this session will walk attendees through typical engineering contracts and explain some of the standard language that board and council members and utility managers will often see. Engineering contracts are confusing even to engineers. From the utility's standpoint, there are some standard questions to ask and language to insist upon that every water system should know.

Elizabeth Dietzman
Attorney At Law
Mark Gross, P.E.
University of Arkansas

209 A

Moderator: Jon Steele
Kansas Rural Water Association
Op. Credit: W

**Certified
Water Operator
Forum**

Attendance at this session is recommended if you are preparing to take the KDHE certification examination at the conclusion of the conference. The session is a review only and not meant to be a comprehensive preparation course. Topics to be covered include operator expectations, examination concepts, basic math problems and sample water questions. Study tips and exam taking strategies will be presented.

Marsha Carpenter
Vickie Wessel
Kansas Dept. Health & Environment

209 B

Moderator: Ron Rhodes
City of Emporia
Op. Credit: W & WW

**Large Flow Meter
Technology: Operation
Installation & Accuracy**

This session will address the "Approved Meter List" as a basis for a discussion of flow metering technologies, the principles of operation, proper installation and how they apply to State regulations. There will also be information presented on technologies not on the State's approved list and a discussion of their principles of operation, accuracies, installations and why they may or may not comply to State regulations.

Jim Panek
McCrometer Meter
Rowley, Iowa

210 A

Moderator: Carol Bloodworth
City of Maize
Op. Credit: W

**The Kansas
Open Records Act And
Your City Or RWD**

Knowing about the Kansas Open Meetings Act is critical to your city's or RWD's governing body to function within the law. Not doing so is illegal. This session approaches the topic from the point of reference of "auditing" your city or RWD's compliance with the Kansas Open Records Act – what kinds of question would you need to ask yourself and what practices need to be in place in order to be in compliance with Kansas law.

Robert Myers
City Attorney
Newton, Kansas

210 B

Moderator: Allan Soetaert
Johnson RWD 7
Op. Credit: W

**Is Your System's
Water Quality Really
Protected**

Every public water system in Kansas is required to have a Cross Connection Control program. Even the best-managed programs may have deficiencies or areas that water utilities may have neglected. Hazards may exist in the most unassuming places and locations. This session will include information intended to cause water utilities to examine their existing control programs.

Terry Randles
Randles Consulting
Topeka, Kansas

210 C

Moderator: Jane Pigorsch
City of Lincolnville
Op. Credit: None

**KAN STEP:
A True Kansas
Success Story**

KAN STEP, the Kansas Dept. of Commerce's self-help program, continues to expand as volunteers construct more water systems, fire stations and facilities in communities across the state. Learn about the requirements for eligibility and other program details. Attendees will hear about Corning, Kan. and their construction of a complete new water system in a three month time period.

Becky Kester
Kansas Dept. of Commerce
Topeka, Kansas

203

Moderator: Don Gaeddert
City of Larned
Op. Credit: WW

**Lift Station
Grease &
Odor Control**

Lift station grease can present problems for collection system personnel as well as wastewater treatment plant operators. Discussions will focus on a contemporary presentation of both chemical and improved biological methods of grease control and elimination. Attend this session to learn how to better maintain your wastewater utility.

Mike McEvoy
Chemquest, Inc.
Topeka, Kansas

EXHIBITORS & SPONSORS

A S C Pumping Equipment
Lenexa, Kansas

A W Schultz
Lenexa, Kansas

A. Y. McDonald Manufacturing
Broken Arrow, Oklahoma

Ace Pipe Cleaning
Kansas City, Missouri

Acord Cox & Company, CPA's
Lenexa, Kansas

Adaptor Inc.
West Allis, Wisconsin

Alexander Pump & Services
St. Marys, Kansas

Allgeier, Martin & Associates
Joplin, Missouri

Alliance Pump & Mechanical Service
Independence, Missouri

Alliance Water Resources
Columbia, Missouri

AllMax Professional Solutions
Kenton, Ohio

ALTIVIA
Houston, Texas

American AVK Company
Hugoton, Kansas

American Flow Control
Shawnee Mission, Kansas

Anderson Peck Agency
Topeka, Kansas

Archer Engineers
Lee's Summit, Missouri

Arkholia Sand & Gravel
Fort Smith, Arkansas

B & B PermaStore
Lenexa, Kansas

B G Consultants
Manhattan, Kansas

Baburek Metal Preserving Company
Plattsmouth, Nebraska

Bachelor Controls
Sabetha, Kansas

Badger Meter
Milwaukee, Wisconsin

A final EXPO Hall Floor Plan will be included in each registration packet picked up at the conference.

EXHIBITORS & SPONSORS

Bartlett & West Engineers
Topeka, Kansas

BRB Contractors, Inc.
Topeka, Kansas

Brenntag Southwest
Nowata, Oklahoma

Bucher, Willis & Ratliff
Kansas City, Missouri

Bumgardner Sales & Service
Independence, Missouri

Burns & McDonnell Engineering
Wichita, Kansas

C.A.M. Incorporated
Overland Park, Kansas

Carbon Central
Excelsior Springs, Missouri

CES Industrial Piping Supply
Lees Summit, Missouri

Chlorinators Incorporated
Stuart, Florida

City of Lyons
Lyons, Kansas

Clarke Well & Equipment
Great Bend, Kansas

Clear Water Equipment
Overland Park, Kansas

Comm-Tronix
Wichita, Kansas

Continental Analytical Services
Salina, Kansas

Cunningham Sandblasting & Painting
Joplin, Missouri

D C & B Supply Company
Pratt, Kansas

D&M / Wretman Company
Olathe, Kansas

Data Delivery Devices
Bartlesville, Oklahoma

DEWCO Water Equipment
Lakewood, Colorado

Ditch Witch of Kansas
Valley Center, Kansas

Division of Water Resources, Kansas Dept. of Agriculture
Topeka, Kansas

EXHIBITORS & SPONSORS

Douglas Pump Service
Overland Park, Kansas

Dworkin Company
Kansas City, Missouri

Earles Engineering & Inspection
Liberal, Kansas

Earth Science Laboratories
Rogers, Arkansas

East Jordan Ironworks
Ardmore, Oklahoma

EFI-Wright Sales
Riverside, Missouri

Enviro-Line Company
Osawatomie, Kansas

Environmental Protection Agency
Kansas City, Kansas

Evans, Bierly, Hutchison & Associates
Great Bend, Kansas

Flow Solutions Company
Olathe, Kansas

Fluid Equipment Company
Independence, Missouri

Foley Equipment Company
Wichita, Kansas

Ford Meter Box
Rocky Mount, Missouri

Gathright Marketing Company
Shawnee Mission, Kansas

GIS Workshop, Inc.
Lincoln, Nebraska

Green Equipment Company
Fort Worth, Texas

Ground Water Associates
Wichita, Kansas

Hach Company
Loveland, Colorado

Hajoca Corporation
Wichita, Kansas

Haynes Equipment Company
Olathe, Kansas

Heartland Waterworks Supply
Grandview, Missouri

Hersey Meter Company
Olathe, Kansas

A final EXPO Hall Floor Plan will be included in each registration packet picked up at the conference.

EXHIBITORS & SPONSORS

Hilti, Incorporated
Wichita, Kansas

Home Power Systems
Independence, Missouri

IAPMO
Wichita, Kansas

IBT, Inc.
Merriam, Kansas

Indeck Water Treatment Systems
Wheeling, Illinois

Industrial Sales Company
Olathe, Kansas

InfiniTec
Topeka, Kansas

Insituform Technologies
Chesterfield, Missouri

Irvine-England Associates
Gravois Mills, Missouri

ISCO Industries
Pryor, Oklahoma

Itron
Spokane, Washington

Jayhawk Software
Iola, Kansas

JCI Industries
Lees Summit, Missouri

JCM Industries
Nash, Texas

Johnson Service Company
Kearney, Nebraska

Kaeser Compressors
Overland Park, Kansas

Kansas Department of Commerce
Topeka, Kansas

Kansas Dept. Health & Environment
Topeka, Kansas

Kansas Geological Survey
Lawrence, Kansas

Kansas One Call System
Wichita, Kansas

Kansas Rural Water Association
Seneca, Kansas

Kansas Water Office
Topeka, Kansas

EXHIBITORS & SPONSORS

Key Equipment
Kansas City, Kansas

KS Assoc. For Conservation & Env. Education
Manhattan, Kansas

LaMotte Company
Chestertown, Maryland

Larkin Group
Kansas City, Missouri

Layne Western
Wichita, Kansas

Letts Van Kirk & Associates
Kansas City, Kansas

Liquid Waste Management
Longmont, Colorado

Mack McClain & Associates
Olathe, Kansas

Maguire Iron
Sioux Falls, South Dakota

Master Meter Company
Fort Worth, Texas

Mayer Specialty Services L.L.C.
Goddard, Kansas

Micro Comm
Olathe, Kansas

Mid America Valve
Leawood, Kansas

Mid West Fire Training Associates
Burlington, Kansas

Midland Manufacturing
Fort Worth, Texas

Midwest Environmental Systems
Greenwood, Missouri

MidWest Meter
Edinburg, Illinois

Miller & Associates, Consulting Engineers, P.C.
Kearney, Nebraska

MKEC Engineering Consultants
Wichita, Kansas

MMG Water & Wastewater Products
Riverside, Missouri

Mobile Enviro-wash
Baldwin City, Kansas

Mountain States Pipe & Supply
Colorado Springs, Colorado

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EXHIBITORS & SPONSORS

Mueller Company
Decatur, Illinois

Municipal Pipe Services
Hastings, Nebraska

Municipal Pipe Tool/Nutri-Ject Systems
Hudson, Iowa

N Zone Sportswear
Manhattan, Kansas

Natgun Corporation
Overland Park, Kansas

National Waterworks
Independence, Missouri

Nowak Construction Company
Goddard, Kansas

Olathe Winwater Works Company
Olathe, Kansas

Olsson Associates
Overland Park, Kansas

Paving Maintenance Supply
Wichita, Kansas

PipeLife - Jet Stream
Siloam Springs, Arkansas

Pittsburg Tank & Tower Company
Henderson, Kentucky

Poe & Associates
Wichita, Kansas

Pollardwater.com
Redmond, Washington

Ponzer - Youngquist
Olathe, Kansas

Price Bros. Equipment Company
Wichita, Kansas

Professional Engineering Consultants
Wichita, Kansas

Pump & Power Equipment
Lenexa, Kansas

Pumps/Western Hydro
Garden City, Kansas

R. E. Pedrotti Company
Mission, Kansas

R. H. Tauser & Associates
Chesterfield, Missouri

Rainmaker Sales
Shawnee, Oklahoma

EXHIBITORS & SPONSORS

Ray Lindsey Company
Olathe, Kansas

Ryan Chemical Company
Chandler, Oklahoma

Salina Supply Company
Salina, Kansas

Sargent Drilling
Broken Bow, Nebraska

Schwab-Eaton, PA
Manhattan, Kansas

Sellers Equipment
Wichita, Kansas

Sequoyah Software & Consulting
Claremore, Oklahoma

Severn Trent Services
Colmar, Pennsylvania

Shafer, Kline & Warren
Kansas City, Missouri

Smith & Loveless
Lenexa, Kansas

Smith-Blair
Raymore, Missouri

SOLARBEE - Pump Systems Inc.
Gardner, Kansas

Stiles-Kem
Smithville, Missouri

Sturgis Materials
Kansas City, Kansas

Subsurface Solutions
Gretna, Nebraska

T T Technologies
Aurora, Illinois

Tetra Tech EM, Inc.
Lenexa, Kansas

TGO Technologies
Santa Rosa, California

The Sherwin-Williams Company
Prairie Village, Kansas

Thoroughbred Computer Systems
Topeka, Kansas

Nmec Company/Midwest Coating Consultants
North Kansas City, Missouri

Tomcat Consultants / TAP Company
Rosebud, Missouri

EXHIBITORS & SPONSORS

TranSystems Corporation
Independence, Kansas

Tri-State Engineering
Joplin, Missouri

Truck Parts & Equipment
Wichita, Kansas

Tyler Pipe Company
Tyler, Texas

United Rentals Trench Safety
Kansas City, Missouri

United Water Works
Burlington, Kansas

USA Tank Storage Systems
Seneca, Missouri

USABlueBook
Gurnee, Illinois

USDA Rural Development
Topeka, Kansas

Utility Contractors
Wichita, Kansas

Utility Maintenance Contractors
Wichita, Kansas

Utility Service Company
Liberty, Missouri

Utility Solutions Associates
Lenexa, Kansas

Vermeer Great Plains Inc.
Goddard, Kansas

Water Products
McPherson, Kansas

Watertower Maintenance / Water Tank Inspection
Joplin, Missouri

WaterWise Enterprises
Wichita, Kansas

Wichita Winwater Works Company
Wichita, Kansas

Wilson & Company Engineers & Architects
Salina, Kansas

Thank You . . .

To all exhibitors and sponsors who help make the KRWA conference & exhibition among the best. Have a great show!

A final EXPO Hall Floor Plan with booth designations will be included in each registration packet picked up at the conference. Also listings of exhibitors and the floor plan will be posted throughout EXPO Hall.

CERTIFICATION EXAMS & PHONES

Water or Wastewater Operator Certification Exam Small System, Class I, II, III and IV Thursday, March 31, 1:30 P.M. Room 209A, Century II Convention Center

The Kansas Department of Health and Environment requires that the exam application be received by KDHE at least two (2) weeks before the exam date. For an exam application, please call KDHE at 785/296-5511 or print an application from KDHE's website www.kdhe.state.ks.us/water/www.html. Check under related links. The application can be faxed to KDHE at 785/296-5509, following up with the original application and the exam fee in the mail.

EMERGENCY PHONE NUMBER

In case of an emergency (a real emergency only please), conference-goers can be reached through the KRWA registration desk at **316/219-9800**. Messages will be posted on a central bulletin board in the connecting lobby or KRWA will page for the person in the Exhibit Hall. Please use the emergency phone for ESSENTIAL calls only.

CELL PHONE ETIQUETTE

Cell phones are great assets – however, KRWA requests that when any session, noon luncheon or event during the conference, please set your phone so it does not ring. It's a matter of courtesy to the presenter. Also, no one else cares to be distracted because of a ringing cell phone. Please take your call in the lobby or outside the classroom.

Annual Membership Meeting

Please note that KRWA's annual membership and business meeting will be held in Meeting Room 209A beginning at 8:00 a.m., Thursday, March 31. Delegate forms were mailed to all voting members on January 11. Check with your city or RWD's office to ensure that your voting delegate is registered.

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BOARD OF DIRECTORS, KRWA



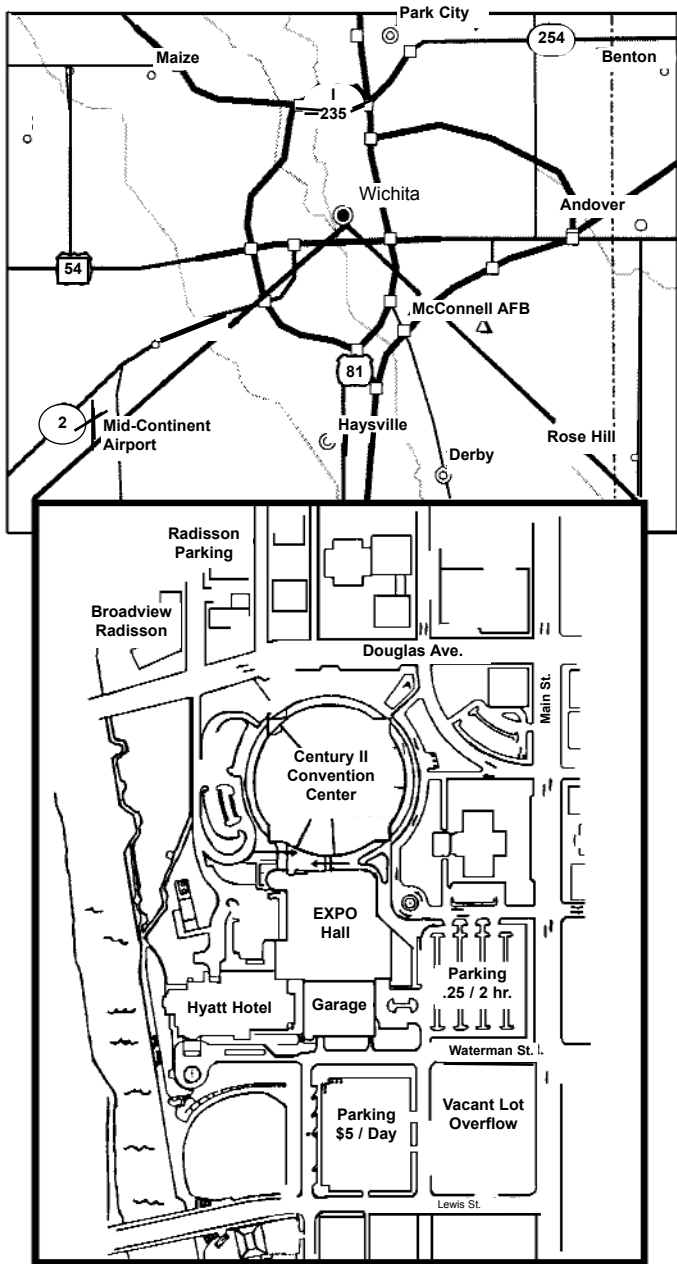
Front, l to r: Patricia Shaffer, President, Benton, Kansas
Sharon Dwyer, Treasurer, Lawrence, Kansas
Back, l to r: Mike Mayberry, Secretary, Kiowa, Kansas
Carl Carroll, Director, Independence, Kansas
Dennis Schwartz, Director, Tecumseh, Kansas
Darrell Schlabach, Director, Hanover, Kansas
David Mueller, Vice-President, Tampa, Kansas

KRWA STAFF

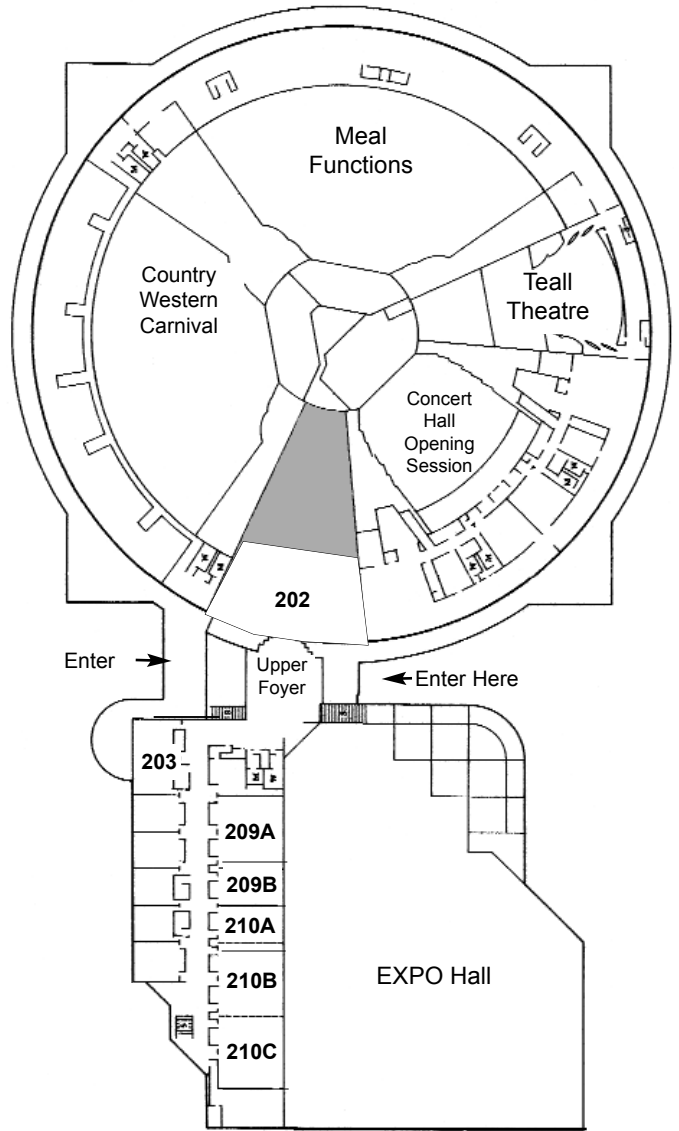
Elmer Ronnebaum, General Manager
Laurie Strathman, Administrative Assistant
Gary Armentrout, Technical Assistant
Lonnie Boller, Surface Water Tech
Dan Byers, GPS Mapping Tech
Greg Duryea, Technical Assistant
Doug Guenther, Technical Assistant
Doug Helmke, Water Rights/Source Water Tech
Shane Holthaus, KAN STEP Tech
Jim Jackson, Source Water Tech
Randy Johnson, Training Director
Bob Kirby, Technical Assistant
Pete Koenig, KAN STEP Tech
Dan Knupp, Communications Coordinator
Lowell Lamer, Coordinator, Mapping & GIS/GPS
Tech Support
Pat McCool, Consultant
Charlie Schwindamann, Wastewater Tech
Jon Steele, Technical Assistant
Stephen Thompson, Manager, Mapping and GIS/GPS
Tech Support

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MAP OF WICHITA



CENTURY II CONVENTION CENTER



Century II Meeting Rooms are on promenade level. Hyatt Ballrooms D and E are on the lower level, opposite EXPO Hall



ACCOMMODATIONS

Rooms have been blocked at the following hotels for the 2005 conference. Make sure you request the KRWA block.

Hyatt Regency, attached to Century II with complimentary parking garage; Ph. 316/293-1234; \$107 single; \$117 double. (SOLD OUT, as of July 15)

Radisson Broadview Hotel, 400 W. Douglas with complimentary parking garage; Ph. 316/262-5000; \$88 (one to two persons)

Hotel at Old Town, 830 E. First, complimentary parking garage; Ph. 316/267-4800; \$95 Queen; \$99 King

Clubhouse Inn & Suites, 515 S. Webb Road; Ph. 316/684-1111; comp. full hot breakfast buffet, \$69 flat

Four Points by Sheraton, 5805 W. Kellogg Avenue; comp. full hot breakfast; Ph. 316/942-7911; \$69 flat

Wichita Fairfield Inn, by Marriott; 333 S. Webb Road; Ph. 316/685-3777; comp. continental breakfast; \$62 flat

Best Western Governors Inn & Suites; 4742 S. Emporia, Ph. 866/522-0775 or 316/522-0775; comp. deluxe continental breakfast; king \$59 or double \$69

Inn at the Park, 3751 E. Douglas; Ph. 316/652-0500, comp. full breakfast buffet; \$99 flat

Cambridge Suites, 120 W. Orme, downtown Wichita; Ph. 316/263-1061, \$99 Executive Suite; \$109 Studio Double; \$129 Penthouse Suite

LaQuinta, 221 E. Kellogg; comp. breakfast, in walking distance to Century II, comp. shuttle to Century II and airport; Ph. 316/269-2090; \$79 flat

CrestHill Suites Hotel Company, 12111 E. Central Avenue; Ph. 888/723-1655 or 316/689-8000; comp. deluxe continental breakfast; studio or one bedroom w/king bed \$69

Holiday Inn Select, 549 S. Rock Road; Ph. 888/558-5113 or 316/681-5083, for king or double, (one to four persons); comp. buffet breakfast; \$79 flat

Hampton Inn, 3800 W. Kellogg; Ph. 316/945-4100; comp. airport shuttle and deluxe hot breakfast far; \$104 flat

TownePlace Suites by Marriott, 9444 E. 29th St. N.; Ph 316/631-3773 Ext. 520; comp. continental breakfast; full kitchen; \$79 double; \$89 double/double with sleeper sofa

Holiday Inn at Wichita Airport, 5500 W. Kellogg Drive, Ph. Hotel Direct Reservations: 1-800-255-6484, \$70.00 flat rate (kings and doubles: one to four persons)

REGISTRATION FORM

38th Annual Water & Wastewater Conference & Exhibition

Tuesday, Wednesday, Thursday, March 29 - 31, 2005

Century II Convention Center, Wichita, Kansas

Please print or type: [Check here if you want Operator Credit.](#)

Name: _____

Represents: _____

Title: _____

Address: _____

City, State: _____

Zip: _____ Phone: _____ / _____ - _____

Indicate which days you plan to attend:

Tuesday, 3/29 Wednesday, 3/30 Thursday, 3/31

Registration Fee prior to March 16 \$80 \$ _____

Registration Fee after March 16 \$100 \$ _____

(Regular attendance and spouses pay same registration fee)

Registration Fee includes the following complimentary functions. Please indicate those you plan to attend.

Country Western Carnival, Tuesday nite Yes No
Spouse Program: Wednesday, 3/24 Pyradomes Yes
(includes noon luncheon)
Breakfast, Thursday, 7:00-8:30 a.m.: Yes No

Note: Registration fee does not include golf or meal tickets.

Golf Tourney, 3/29, 8:30 a.m. (pay KRWA) . \$65 \$ _____

Tuesday, buffet lunch, Century II \$10 \$ _____

Wednesday, 3/30 Luncheon Ticket \$10 \$ _____

Wednesday Awards Banquet & Show \$25 \$ _____

Thursday, 3/31 Luncheon Ticket \$10 \$ _____

Payment Enclosed: \$ _____

Return registration forms with payment to:
KRWA, PO Box 226, Seneca, KS 66538 by March 16.
Phone 785/336-3760 if you have any questions. Advance registration is encouraged; photocopy form for additional registrations. **Complete one form for each person attending.** No refunds after March 19.