

MINNESOTA GROUND WATER ASSOCIATION

NEWSLETTER

V. 3 no. 1 October 1984

Late one night, Mr. Ground Water pours the last cup of coffee from a pot made only that day. He sips and a grimace spreads over his face. He decides to run some lab tests on his bitter cup, just to see what's in his coffee. Next morning, sipping a freshly made cup of coffee, the phone rings.

"Good morning, Mr. Ground Water speaking, may I help you?"

"Hi, GW, this is Gil Gabanski, President of the MGWA, how's it going?"

"Say, just fine, how's the MGWA doing?"

"Glad you asked, the MGWA is doing great. We have over 250 members, a very solid base to work from. We've made it through two years, but it's time to look at the structure of the group and possibly make some changes. I've got several ideas; particularly with the director responsibilities, elections, length of service, and the general function of the MGWA. I think we need to reflect on what we have accomplished and then decide on where we go from here. We have had some excellent seminars and terrific speakers, tremendous participation, and if anything, there has been one major accomplishment."

"What's that?"

"There are alot of people dealing with various aspects of ground water, more than I ever knew about, and many of these people are now talking to each other. I personally never thought there was so many people interested in ground water. In the last two years I've met many new people, all interested in learning more about ground water and willing to share their ideas. Just look at the participation at our last seminar on Ground Water Sampling and Analysis."

"Yea, I was there too. I learned alot about water analysis. In fact, I just had the lab run a test on my coffee."

"What did they find in your coffee?"

"Well, alot of chemicals I can't pronounce, you know, things like sodium silicoaluminate, mono-and diglyceride, alot of 1,2 dichloro this and trichloro that. The lab technician said something about a complete list of the EPA Priority Pollutants. Say Gil, stop by some time for a chat and a cup of brew."

"Mr. GW, I just gave up caffeine!"

I think the MGWA has grown to become something I never dreamed possible. Two years ago, I said that a membership of 50 would be remarkable. In two years, an organizational idea has become a functional operating group of people. This result has taken time and work and now with elections, it's time to thank those who have helped. Kelton Barr and Dennis Woodward have both been exceptional in their assistance and ideas, and I thank them for their dedication. By the way, if you have not heard, Dennis Woodward has taken a promotion with the USGS and will be moving to Austin, Texas at the end of October. Good luck Woody. Kelton has also been active in AWRA and AIPG and I'll never know where he found time for the MGWA. Both Barr Engineering and the USGS are to be complimented for supporting their employees.

Another major change involves the newsletter. Pat Leonard-Mayer has been going to law school in the evenings for the last three years, she has been working on a Ph.D in hydrogeology, she recently had an editorial published in Ground Water (Sept. Oct., 1984) and she was the editor for the MGWA newsletter. Pat has informed me that she is too busy and that she would like to hand the newsletter to someone else. I thank Pat for her time and energy, she has been a constant source of ideas and the MGWA would not be today what it is without her help. Thanks Pat. The Minnesota Department of Health should also be complimented for Pat and the MGWA. I am looking for a newsletter editor, please call if you would like to be the editor. (Cont. on page 2)

JOINT MGWA AND AWRA MEETING

NOVEMBER 2, 1984

Dr. Arnold Verruijt
Professor of Civil Engineering
Delft University of Technology
Delft, the Netherlands

USE OF MICROCOMPUTERS FOR GROUND WATER MODELING

TIME: 5:30 PM.

PLACE: Earle Brown Center, St. Paul Campus.

Join the Minnesota Ground Water Association

MGWA sponsored activities are paid for with dues and contributions from our members. If you wish to attend MGWA meetings and seminars and to receive the quarterly Newsletter, please become a member of the Association.

Dues are \$10.00 (\$5.00 for students). Send to MGWA, P.O. Box 3362, St. Paul, MN 55165.

Board of Directors

Gil Gabanski, President
Soil Exploration, 612/645-6446 ext. 130

Dennis Woodward, Vice-President
USGS, 612/725-7841

Kelton Barr, Secretary
Barr Engineering, 612/920-0655

Gretchen Sabel, Treasurer
MPCA, 612/296-7318

Tom Clark, Membership
MPCA, 612/296-7791

Material for the MGWA Newsletter
can be mailed to:

MGWA
P.O. Box 3362
St. Paul, MN 55165

(continued from page 1)

A few extra notes, this newsletter has the election notice and a ballot on page 9. Please vote and send in your ballot. There is a joint meeting with AWRA on November 2nd, details are above on this page. Last month, I attended a committee meeting of State Regulatory people at the NWWA Las Vegas convention. Hank Baske (Colorado) and I gave presentations about the Ground Water Association in each of our states. About 25 people were present and many had questions on how to start up an organization. I talked with Bob Brobst about the Wisconsin GW Association and we agreed to work on a joint meeting this winter or spring. Any ideas you have for meetings, let me know, the MGWA has the potential to do a million things. Let's hear your ideas!

Gil Gabanski, President
MGWA

MINNESOTA-WISCONSIN SECTION
AMERICAN INSTITUTE OF
PROFESSIONAL GEOLOGISTS

ANNUAL MEETING
Holiday Inn, Stevens Point, WI
NOVEMBER 15, 1984

Program:

1:30-5:00 p.m. Technical Program

David Lindorf, Wisconsin DNR
"Wisconsin's Ground Water Protection Law"

M.E. Ostrom, WI Geological and Natural History Survey
"Wisconsin Geological Survey Role in Ground Water
Protection"

Ken Bradbury, WI Geol. and Nat. History Survey
"Design and Installation of Ground Water Monitoring
Wells"

C.W. Fetter, Jr., Univ. WI-Oshkosh
"Collecting Ground Water Samples for Litigation
and Enforcement"

5:00-6:00 Social Hour
6:00-7:00 Banquet (Prime Rib Dinner)
7:00-9:30 Annual Meeting

Registration - \$30.00 (\$35.00 after November 1st)
Makes checks payable to Minnesota/Wisconsin Section of AIPG.
Send checks to: James Hoffman
College of Letters and Science
University of Wisconsin/Oshkosh
Oshkosh, WI 54901

More information, call:
Jim Hoffman 414-424-1217
Terry Swor 612-645-6446

MEETINGS

17th Annual Water Resources Conference - November 19-20, 1984
Earle Brown Center for Continuing Education
Registration - \$100
For information call: John Vollum 612/373-3157
Cheryl Jones 612/373-3173

Computer Modeling of Regional Groundwater Flow - November 5-9, 1984
Short course on ground water modeling with micro-computers.
Earle Brown Center for Continuing Education
University of Minnesota, St. Paul Campus
Instructors: Dr. Otto Strack, University of Minnesota
Dr. Arnold Verruijt, Delft University of
Technology; Delft, the Netherlands
For information call: John Vollum 612/373-3157
Cheryl Jones 612/373-3173

Citizens for a Better Environment

Citizens for a Better Environment (CBE) is a non-profit citizen's group working on urban human health-environmental issues. CBE's goals are (1) reduced public exposure to potentially toxic pollutants, (2) increased public awareness of environmental issues and (3) greater public participation in environmental decision-making. CBE pursues these goals by: monitoring and critiquing government's efforts to safeguard the environment; providing technical assistance to individuals and organizations; producing and distributing educational materials. Since the Minnesota office opened in May of 1982, Minnesota membership has grown to over 8,000.

CBE does not do basic research or direct field work (though as one of our researchers once said, "I never met a research project I didn't like"). Instead, CBE analyzes existing information and presents policy options in the context of current decision processes.

A number of CBE's programs touch on ground water issues. For example, CBE was instrumental in the formation of the Household Hazardous Waste Task Force. Currently, consumers have few options for the safe management of these wastes. Evidence is growing that sanitary landfills are leaching synthetic organic pollutants from non-industrial sources. The Task Force is a broad-based organization searching for short and long-term approaches to this problem. In addition to being an active Task Force member, CBE is raising public awareness of this issue through door-to-door canvassing.

Earlier CBE work has also had an impact for ground water protection. CBE's participation in the state's hazardous waste management planning process focused on ground water protection. CBE successfully urged the Waste Management Board to give priority to waste streams which are significant ground water polluters (e.g. solvents). Initially, the Board had proposed a priority system for waste reduction and treatment programs which only considered the waste stream's volume. In other words, top priority projects would address the largest waste streams as opposed to the most dangerous ones.

Support for this work comes primarily from individual tax-deductible contributions. Membership in CBE costs \$20/yr. and includes a subscription to our magazine The CBE Environmental Review. Technical memberships are also available at \$60/yr. Technical members receive special notices and invitations and may request free copies of CBE Reports and Comments. For further information, please contact.

Carole Ann Barth
Director of Research
Citizens for a Better Environment
Suite 204, 127 7th St. North
Minneapolis, MN 55403
(612) 341-3555

1985 Mid-West Ground Water Conference

Last October, 1984, the MGWA, the Minnesota DNR-Division of Water, and the USGS agreed to cosponsor the Mid-West Ground Water Conference. We are happy to announce that the 1985 conference will be held in the Twin Cities. Currently, Sarah Tufford, Mn. DNR-DOW and Tom Clark, MPCA and MGWA, are beginning to organize the meeting. The conference has tentatively been planned for mid October 1985. More detailed information will be presented in the next newsletter.

We wish to acknowledge the following companies which were exhibitors at the 1984 MGWA Summer Seminar:

Corbett and Associates
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Hach Corporation
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Galtek Corporation
Jonathon Industrial Center
Chaska, MN 55318

Industrial & Environmental Analysts, Inc.
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Research Triangle Park, NC 27709

Johnson UOP
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Freshwater Biological Institute
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Navarre, MN 55392

Timco, Inc.
851 15th Street, PO Box 8
Prarie du Sac, WI 53578

Bison Instruments, Inc.
5708 W. 36th Street
Minneapolis, MN 55416

Groundwater and Waste Disposal

"Groundwater and Waste Disposal: What's The Health Connection?" was the subject of a conference held April 25, 1984 in Minneapolis, Minnesota. Over 230 Minnesota physicians, public health professionals, educators, and local, state, and environmental officials in attendance learned how public health can be affected by a growing number of chemicals found in groundwater from solid and hazardous waste disposal. The conference also addressed possible future solutions and responsibilities towards the protection of ground water resources and public health.

Proceedings of the conference are now available for \$5.00 from the Freshwater Society. Send check or money order to the Society at 2500 Shadywood Road, Box 90, Navarre, Minnesota (612)471-7467.

WATER RESOURCES ASSOCIATION

The Minnesota Chapter of the AWRA was founded in the 1960's and was the first professional society in Minnesota to deal solely with water resources. It has about 100 active members and meets bi-monthly during the school year. Their meetings feature a speaker addressing a technical, management, or policy feature of some aspect of water resources. Last year's topics were acid rain chemistry, surface water - ground water interactions and implications for piezometer construction, peat land hydrology, hydrologic aspects of the search for nuclear waste disposal sites, and surface water and ground water clean-ups of hazardous waste sites. This year's meetings are being held in the auditorium of the St. Anthony Falls Hydraulics Lab near the Minneapolis campus of the University of Minnesota. Yearly membership dues are \$5.00, which covers the costs of the Association's meetings. Anyone involved in water resources is invited to join. The officers are Otto Strack, President; Don Albin, President-Elect; and Shelley Burman, Secretary-Treasurer.

Citizen's League
Ground Water as a Strategic Resource

In the early part of 1984, the Citizen's League formed a committee to research the topic of ground water as a strategic resource. The principal charge of this committee is to recommend the essential elements of public policy which will regard ground water as a crucial and possibly threatened resource. The committee has been meeting regularly since July and has heard from a number of speakers representing various facets of the ground water arena. Speakers have included Dr. Matt Walton, head of the Minnesota Geologic Survey; Senator Randolph W. Peterson, Chair, Minnesota Senate Public Land and Water Resources Subcommittee; Loni Kemp of the Minnesota Project and Carole Ann Barth from Citizen's for a Better Environment, among others. The Citizen's League Ground Water Committee is chaired by Lois Yellowthunder. Questions of the Citizen's League may be directed to Robert De La Vega at 338-0791.

North Central Section of the American
Water Works Association

The North Central Section of the American Water Works Association includes the States of Minnesota and North Dakota. The Section takes an active role in the education of current and future water supply personnel through co-sponsorship of water operator schools and scholarship programs for four-year, two-year and VOTEC students. The Section promotes innovation in the operation field through the "Action Now" committee's "gimicks and gadgets" program where operators win prizes for their inventions.

The Section keeps abreast of issues that concern the water supply industry through their legislative, research, safety and commercial committees. News of interest to the Section membership is published quarterly in the Section's Breeze magazine.

The Section played an important role in the national legislative arena this year, when Section representatives were asked to represent the National AWWA at hearings before one of Senator Durenburger's subcommittees considering amendments to the Safe Drinking Water Act.

League of Women Voters

The League of Women Voters (LWV) has also spent an active year delving into ground water issues. Two LWV publications are available which were written from information gathered over months of research effort. The publications, entitled "Who Owns Minnesota's Water" and "Minnesota's Liquid Assets: Water Use and Policy Options", can be obtained from the state LWV office (224-5445). The League also sponsored a half-day seminar on Minnesota water issues last spring. Water-related issues, including ground water resources, are among the topics to be discussed by the local leagues statewide. Contact a local LWV representative for more information about the local league activities. For more information about the state-level activities, contact Katie Fournier of Minneapolis at 612/331-5615 or Barb Akre of Duluth at 218/728-4397.



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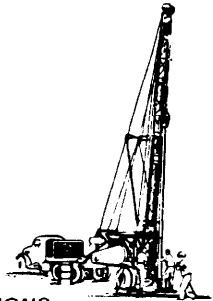
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WELCOME NEW MEMBERS

Michael Appelwick - Abe Mathews Engineering Co., Virginia; Dan Berg - MN Pollution Control Agency, Roseville; Helen Boyer - Metropolitan Waste Control Commission, St. Paul; Patricia Chabot - MN Pollution Control Agency, Roseville; Marsha Davis - Student (hydrogeology), St. Paul; Gary Durland - Metropolitan Waste Control Commission, St. Paul; James Engman - Interpoll, Inc., Circle Pines; Jan Falteisek - MN Pollution Control Agency, Roseville; James Fink - Galtek Corp., Chaska; Scott Fox, Coon Rapids; Mike Gabrielson - Environmental Protection Labs, St. Cloud; Elizabeth Gawrys - MN Pollution Control Agency, Roseville; Kurt Geiser, Minneapolis; Pete Giesen - Olmsted County Health Dept., Rochester; Barb Gnabasik - MN Pollution Control Agency, Roseville; Lee Ann Hammerbeck - student, Minneapolis; Paul Harris - Davy Laboratories, LaCrosse, WI; Duane Heley, Fargo, ND; Michael Hestick - Northern States Power Co., Minneapolis; George Huppert, La Crosse, WI; Laura Huston - Environmental Protection Labs, St. Cloud; William Libro - MN Pollution Control Agency, Roseville; Tom Lucas - Abe Mathews Engineering Co., Virginia; Richard Lupin - MN Pollution Control Agency, Roseville; Jack McConaha - Drilling and Engineering, Wyoming; Karl Martinson - Bay West, Inc., St. Paul; Ross Miller - Braun Engineering Co., Minneapolis; Donald Milless, Golden Valley; Gary Oberts - Metropolitan Council, St. Paul; Lyle Pederson - Mead and Hunt, St. Paul; James Pennino - Leggette, Brashears and Graham, Inc., St. Paul; Richard Peter - Olmsted County Health Dept., Rochester; Donna Portner, Rochester; James Prieur, St. Paul; George Pruchnofski - MN Pollution Control Agency, Roseville; John Rafferty - Interpoll, Inc., Circle Pines; Ainars Silis - MN Pollution Control Agency, Roseville; Rexford Singer - University of Minnesota, Minneapolis; Joe Stepun - Western Lake Superior Sanitary District, Duluth; Michael Tibbetts - MN Pollution Control Agency, Roseville; Mike Trojan - student, St. Paul; Larry Vande Brake, Orange City, IA; Cathleen Villas - Bruce Liesch and Associates, Plymouth; Betty Wheeler - student, La Crosse, WI; Michael Wiltfang - MN Pollution Control Agency, Roseville.

Tom Clark
Membership Chairman

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VOTING FOR 1984-85 MGWA OFFICERS

At the August meeting of the MGWA, a slate of candidates was approved for the offices of President, Vice President and Secretary. According to the Bylaws, the members of the MGWA must vote by secret ballot before the annual business meeting. The upcoming MGWA meeting on November 2 will be our annual business meeting. Accordingly, this newsletter contains a ballot which you, as a member, are urged to mail in before October 31.

The elected officers will serve for 2 years starting at the November business meeting. A brief description of each candidate is given below. Again, you are urged to complete the ballot and mail it in before October 31 to:

MGWA
P.O. Box 3362
St. Paul, Minnesota 55165

Gilbert Gabanski -- Candidate for President

Gil received a college degree in geology from Hanover College and did graduate work at Oklahoma State University and the University of Minnesota. He was formerly employed by the Minnesota Geological Survey and the Department of Natural Resources. He is currently a hydrogeologist and project manager in the Environmental Division of Soil Exploration Co.

Jerry Rick -- Candidate for Vice President

Jerry received a college degree in geology from St. Thomas College. He was formerly employed by the Brevard County Water Resources Department in Florida and Johnson Brothers Corp. He is currently a hydrogeologist and head of the Environmental Division of Soil Exploration Co.

Jim Stark -- Candidate for Secretary

Jim received a college degree in geology from University of Wisconsin-Duluth and completed graduate work in water resources management at the University of Wisconsin. He was formerly employed by the U.S. Geological Survey in Michigan and Utah, by the Department of Natural Resources, and is currently a hydrologist in the U.S. Geological Survey.

B A L L O T

Please vote for one candidate for each office.

President -- Gilbert Gabanski

Vice President -- Jerry Rick

Secretary -- Jim Stark



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