

Minnesota Ground Water Association: Historical Notes on the 25th Anniversary



Jim Lundy

Minnesota Department of Health

November 13, 2007

Minnesota Ground Water Association: A 25 Year Flow Path



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Stoner Did It

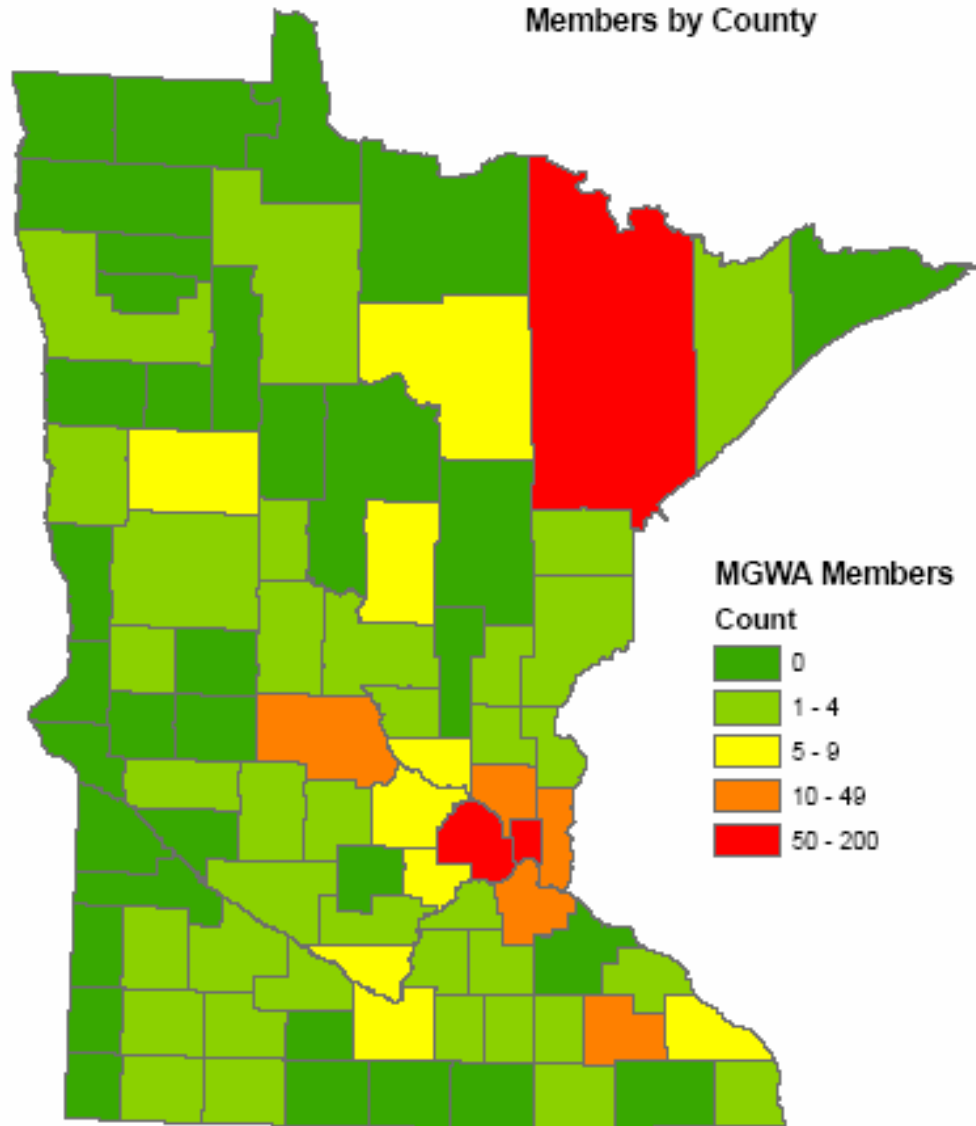
- Conference reviews highlighted technical articles from 25 years
- Stoner asked a group of us to review articles
 - Reviewed entire newsletter history
- Found lots of anecdotes and interesting facts along the way
- Stoner asked me to burn up a few minutes babbling about them

First—A note of caution

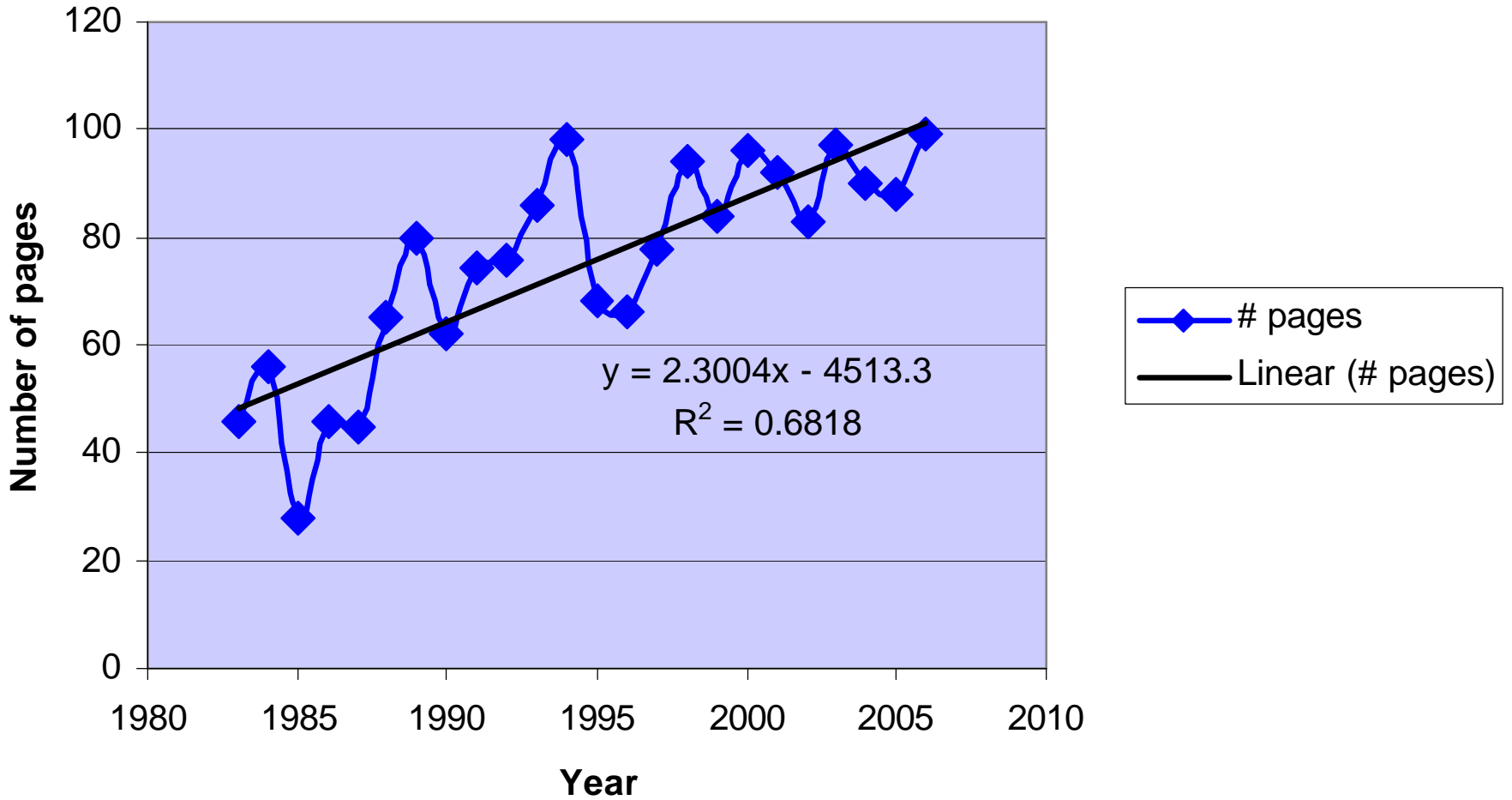


Data

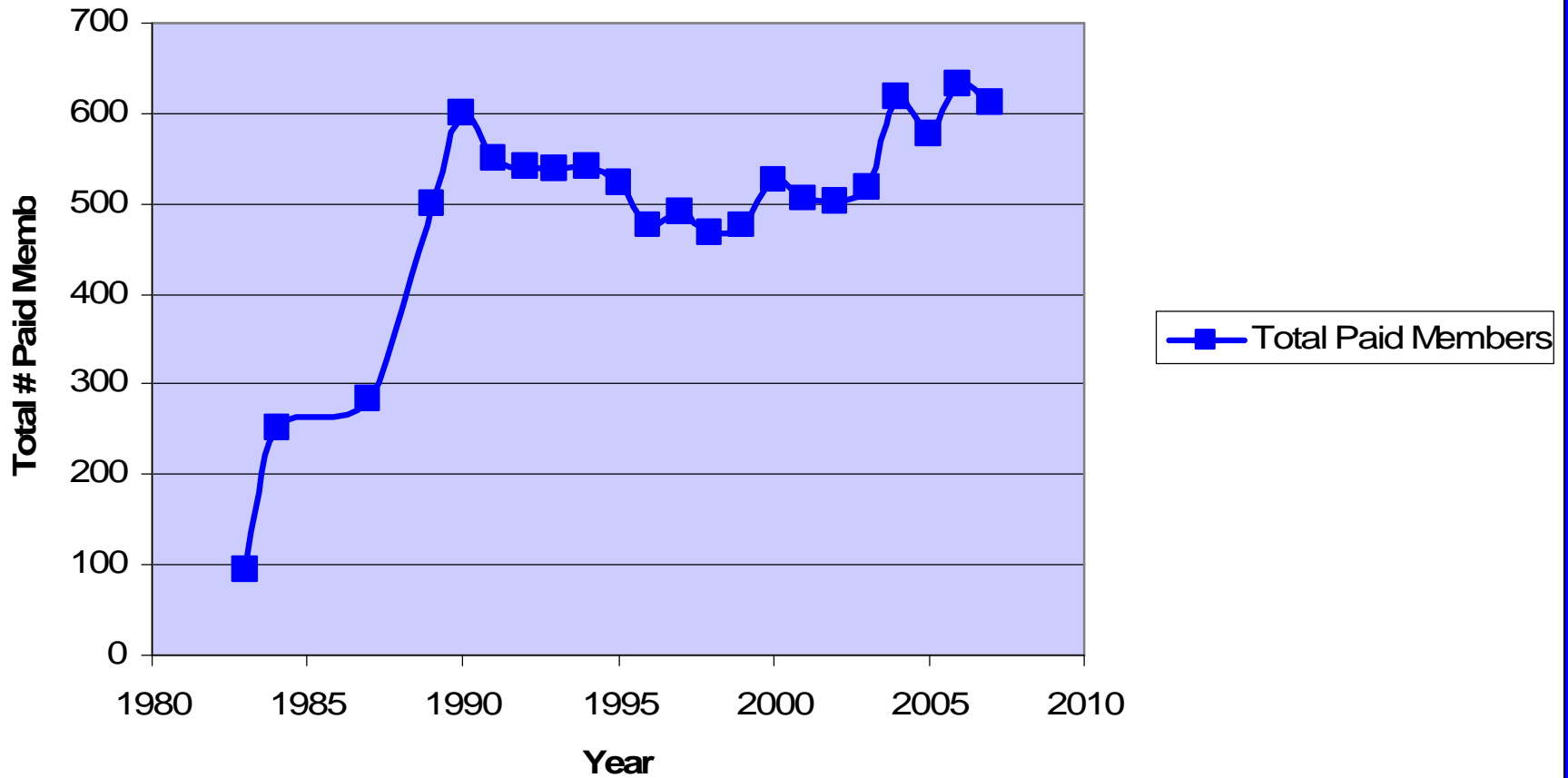
Minnesota Ground Water Association Members by County



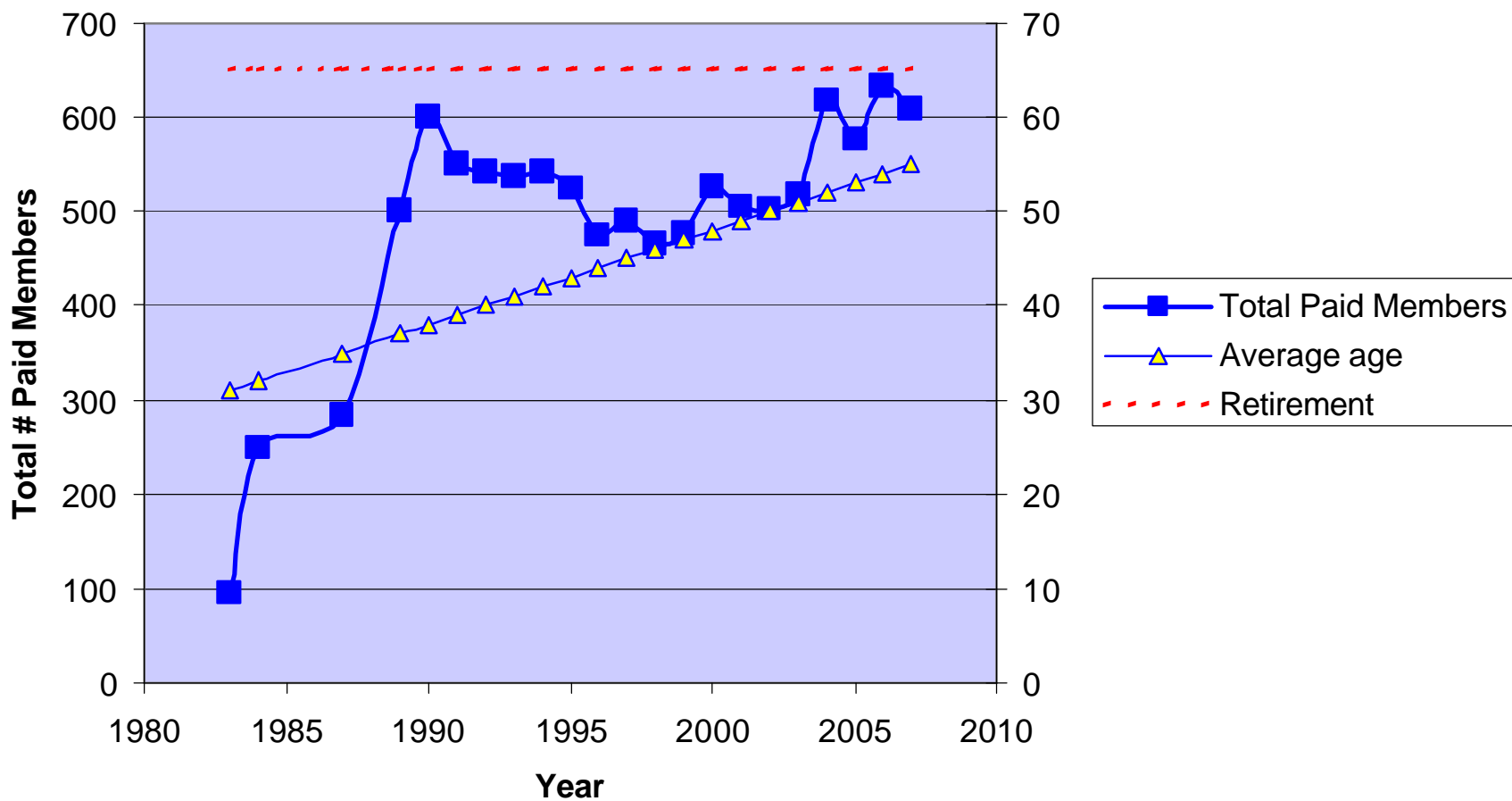
MGWA Newsletter Size, 1982-2007



MGWA Membership and Average Member Age, 1982-2007



MGWA Membership and Average Member Age, 1982-2007



Historic Newsletter “Items”

MINNESOTA GROUND WATER ASSOCIATION

NEWSLETTER

v. 1, n. 2

February, 1983

- First newsletter appeared in 1982
- Editors: Pat Leonard-Mayer and Pamela Watson
- Newsletter: a way to share or request information, and to announce meetings

First Issue Advertisers

- Soil Exploration/Twin City Testing
- Barr Engineering
- Stevens Well Drilling
- Braun Engineering and Testing
- Johnson Groundwater Monitoring Products
- Bay West
- Geotechnical Engineering Corporation
- E.H Renner and Sons

Profession

26 Hydro/Hydrogeologist
23 Engineer
12 Geologist
8 Lawyer
2 Biologist
2 Professor
2 Soil Scientist
3 Geophysicist/Math.
1 Environ. Cont.
1 Water Well Cont.
1 Chemist
1 Geographer
1 Regulatory Spec.

The Assn. should have:

45 Newsletter
37 Annual field trip
35 Legislative monitoring
27 Study groups
20 Student section

What areas would you work in:

31 Program development
17 Field trip
16 Legislative monitoring
10 Newsletter
6 Membership
1 Legal

Areas of Professional Interest

44 Water quality
42 Waste disposal
36 Water supply
35 Geology
34 Monitoring
26 Engineering
22 Water law
16 Geophysics
14 Mining hydrology
2 Ground water modeling
2 Dewatering
1 Law and code enforcement

HYDROGEOLOGISTS WANTED

MINNESOTA POLLUTION CONTROL AGENCY

The State of Minnesota is currently accepting applications for the positions of Hydrologist 1 and Hydrologist 2 in the specific area of Hydrogeology. Openings for these positions currently exist at the Minnesota Pollution Control Agency.

The positions involve hydrogeologic evaluation of hazardous and solid waste disposal sites. Problems associated with these sites are addressed under State and Federal Superfund, the Resource Conservation and Recovery Act, permits, etc.

The Minnesota Pollution Control Agency's offices are located in St. Paul, Minnesota. Employment with the Minnesota Pollution Control Agency offers a challenging work experience in a progressive state Agency. The state offers excellent benefits and salaries in the mid 20's for the Hydrologist 1 positions to mid 30's for the Hydrologist 2 positions.

News of Members

Brad Barquest of Delta Environmental Consultants, Inc. presented the paper *A Hydrogeologic Assessment of the Austin Chalk Outcrop Belt, Central Texas* at the Fall 1990 GSA meeting.

Kelton D. Barr is now Senior Technical Advisor of Bioremediation Services at Geraghty & Miller, Inc.. He was also recently appointed Associate in the firm.

Dan Barret of Delta Environmental Consultants, Inc. presented the paper *A Hydrogeologic Assessment of the Ozan Formation, Central Texas* at the Fall 1990 GSA meeting.

Justin Blum has joined the Minnesota Department of Health, Environmental Health Group. Justin was formerly with Minnesota DNR, Division of Waters.

Ray W. Wuolo of Barr Engineering Company has been approved as a certified Ground Water Professional by the Association of Ground Water Scientists and Engineers.

Timothy Lockrem has joined IT Corp.

Jim Jacques, formerly with Dames & Moore, is now with Bay West, Inc.

Larry Johnson has moved to Dames & Moore

John Elks was hired at MN PCA

Tom Heenan is with Hennepin County Environmental Health.

Efie Wahlstrom now works at EnecoTech.

Absolutely no mention of Gil Gabanski

MGWA Held Successful Fall Conference

The Minnesota Ground Water Association and the Minnesota Section of the American Water Resources Association (AWRA) held a joint fall meeting November 1, 1989, on the St. Paul Campus of the University of Minnesota. The topic was the Minnesota Ground Water Protection Act which was passed this past legislative session.

Speakers presented the legislation from the perspective of their various state agencies and departments. **Judith Ball**, Minnesota Department of Health, **Pat Bloomgren**, Board of Water and Soil Resources, **Greg Buzicky**, Minnesota Department of Agriculture, **Don Jakes**, Minnesota Pollution Control Agency, and **Ron Naranga**, Minnesota Department of Natural Resources.



Earwigs Can Cause Problems in Wells

The new Wisconsin menace is earwigs. These pests are brownish insects about 1-inch long and 1/4-inch wide. They have fierce-looking tail pinchers.

They started in the United States on the east coast, and have been steadily moving across the country. In recent mild winters they have been moving north and have been found in the southern part of Wisconsin. Central Wisconsin may have some also.

Earwigs eat decaying plant matter and thrive in cool, moist places, such as the inside of a well casing. Wells located near woodpiles and shrubs with bark landscaping are especially vulnerable to earwig infestation. During summer's heat, earwigs seek the coolness of a well casing. In the fall, they look for the water well's moderate climate.

If the well does not have a vermin-proof cap, earwigs can and will use the well for a home. They enter in large numbers. Earwigs do not stay at the top of the well. They crawl down to the water level, or fall down.

Earwigs are not known disease carriers, but they do cause coliform bacteria problems in wells. The insects fall into the water and provide a food source for continuing bacteria growth. Even after chlorination, high bacterial counts are possible. Chlorination can leave earwig bodies intact, in the bottom of the well, with pieces in the water system.

Historic Photographs



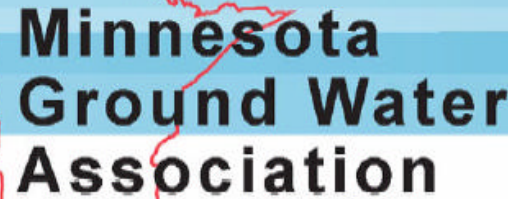






Keg





**Minnesota
Ground Water
Association**

www.mgwa.org

Newsletter

- 94 issues published
- Nearly 1900 pages
- A permanent archive of MGWA activities

2007 Newsletter Editorial Team

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Jan Falteisek

Steve Robertson

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Jim Aiken (advertising manager)

WRI (Jeannette Leete, Sean Hunt)

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Technical Presentations

