



DAN DEAN/staff photographer

## Scene on the Rouge

The Michigan Water Resources Commission (WRC) Tuesday morning will visit seven sites on the Rouge River before holding an afternoon meeting on the University of Michigan — Dearborn campus. Their stops will include the Lower branch in Westland, the Middle branch in Dearborn Heights and the

Main branch in Redford, skipping the Upper branch in central Oakland County. WRC Chairman James E. Murray calls the Rouge "the dirtiest river in Michigan," citing scenes like this in Hines Park, where a fallen tree blocks the flow of wood, branches, beer bottles, green scum and discarded styrofoam.

# Non-smoking areas won't do the job, architect says

By Penny Wright  
special writer

Will Michigan's non-smokers be aided by a proposed state bill (House Bill 4500) to restrict public smoking to designated areas? Or are they just kidding themselves. The question was posed to a professional engineer.

"Just to designate a non-smoking area won't do," said Ralph Steele, executive vice president of Giffels/Hoyem-Basso Associates, a Troy-based architectural and engineering firm.

"In most existing buildings, smoke from the smoking area will go back to the return air system and be redistributed to all areas of the building."

WHILE SUPPORTING the intent of HB 4500, Steele noted the proposed legislation would stop the non-smoker from getting smoke blown in his/her face. But, "the most effective means of clearing the air is to make sure the smoking area air does not return to the system," he said. He gave an example.

In a typical office building, all areas are part of one big air handling system. The quality of the air delivered to occupants is determined by the outdoor air supply and the effectiveness of the air-filtering equipment.

When cigarette smoke — a mixture of combustion gases and partly burned particulates — along with such assorted pollutants as cleaning chemicals and aerosol sprays are removed from a room, part of the contaminated air is exhausted.

A larger portion of the air is mixed with outside air, passed through filters and recirculated through the building.

Due to the energy consciousness of recent years, very few buildings have more than 5 cfm (cubic feet per minute) per person of fresh air entering the building," Steele said, "even though a rate of 20 cfm per person is recommended for office areas where workers smoke."

ON A HOPEFUL note, the engineer said if people determine through legislation that smoke is a dangerous threat, building designers would have to do something.



our land  
**Penny Wright**

"Eventually new buildings or remodeled buildings could have designated smoking areas with completely exhausted air," Steele added. "To provide a fully smoke-free environment in existing buildings will have varied financial implications."

Alex Johnson of the Southeastern Michigan American Lung Association admits the financial implications of providing smoke-free environments shaped the bill's language.

"The Smoking in Public Places legislation could have been worded stronger. We have to be realistic if we expect the bill to pass. It just wouldn't work if we tried to tie the legislation to building design," said Johnson.

JOHNSON BELIEVES non-smokers are served well by the legislation.

"The idea of designing non-smoking areas in such public places as shopping centers, sports arenas and the workplace is a big first step," said Johnson. "The intent of the legislation is to make non-smoking the norm."

Johnson said that while there is enough evidence to indicate passive smoking or involuntary smoking is a health threat, widespread concern over passive smoking dangers is relatively new.

"Still, chances are better than ever for passage of the bill. Overall, the quality of indoor air is being looked at more closely," he added.

**'Just to designate a non-smoking area won't do. In most existing buildings, smoke from the smoking area will go back to the return air system and be redistributed to all areas of the building.'**

— Ralph Steele  
Troy architect

## Madonna cites 4 for service

An alumna whose career has taken her to the top, an alumnus whose personal endeavors set high standards, and a local businessman whose concern extends far beyond his community service obligations are the 1985 winners of the first Madonna College Alumni Association Awards.

Dr. Christina D. Kary, a 1982 biology graduate, has been selected as the first recipient of the distinguished alumni achievement award. Kary is director of toxicology for Ashland Oil Inc., in Ashland, Ky.

In 1973 she received a doctorate in pharmacology from the University of Missouri and is an active member of several professional associations. Kary has always been a supporter of Madonna at the President's Cabinet level.

Richard J. Hayward, 1977 graduate in business administration, received the distinguished alumni service award for outstanding and continued service to Madonna College. He is president and owner of the R.J. Hayward Co. in Plymouth.

Hayward has been a member of the Madonna Board of Trustees since 1980. In addition to being a continuous benefactor and member of the President's Cabinet, he has served as chairman of the special gifts committee for the capital campaign, volunteer caller for the annual phonocall and the business annual fund campaign. He also served as an elected trustee of Schoolcraft College.

The first recipient of the alumni appreciation award, Peter A. Ventura, has supported Madonna College for the past 10 years as a benefactor, friend and volunteer.

Having served as vice chairman of the annual fund campaign for nine years, Ventura is the Madonna College Chairman of the 1985-86 campaign, though not an alumnus, Ventura will be named an honorary member of the Alumni Association. President and owner of Wonderland Realty Co. he has been a member of the Livonia City Council for 24 years.

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