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MEDIA RELEASE

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American Chemical Society
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BUJDOSO AND LYON TO PRESENT PAPER ON INFORMATION FLOW OF ANALYTICAL CHEMISTRY
MISSOULA--

Dr. Erno Bujdoso, a visiting professor from Hungary at the University of Montana, and W.S. Lyon of the Oak Ridge National Laboratory, Oak Ridge, Tenn., will present a paper titled "Mapping the Information Flow of Analytical Chemistry" at the 185th national meeting of the American Chemical Society in Seattle, March 20-25.

They examined the reference-citation patterns of scientific journals to find the extent of information exchange between analytical chemistry and other fields of science and subfields of chemistry.

They found, for example, that the main information sources for analytical chemistry are chemistry and physics. The exchanges between chemistry and analytical chemistry are almost equal. However, analytical chemistry contributes little information to, but borrows much from physics. Analytical chemistry also supplies much information to biomedical research.

The Office of Energy Research, U.S. Department of Energy, under contract with the Union Carbide Corporation and the Hungarian Academy of Sciences, sponsored the research.

Bujdoso, head of the Department for Informatics, Library of the Hungarian Academy of Sciences, Budapest, is working this year with Dr. Richard J. Field,

over

ANALYTICAL CHEMISTRY PAPER--add one

UM chemistry professor, in the new and important area of oscillating chemical reactions. Bujdoso has devoted more than 20 years to research in physics and is now an information scientist, conducting independent research on how the study of oscillating reaction has developed and spread throughout the world in a relatively short period of time.

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