



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701-2724

Office of the Mayor

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Memorandum

LF051607-01

To: City Council
From: Jim Shaw, Mayor
Re: Journey Museum - Museum Alliance of Rapid City
Date: April 30, 2007

Please confirm the appointment of Duane Charles Hrcncir to a full term on the Museum Alliance Board (Journey Museum) Term of the appointment is three years.



EQUAL HOUSING
OPPORTUNITY

EQUAL OPPORTUNITY EMPLOYER

**Curriculum Vitae
Duane Charles Hrcir**

Contact Information

College of Science and Letters
South Dakota School of Mines and Technology
501 E. St. Joseph
Rapid City, SD 57701

Email: Duane.Hrcir@sdsmt.edu

Phone: (605) 394-5267

Education

Ph.D., Inorganic Chemistry, Texas A&M University, 1979
M.S., Inorganic Chemistry, University of Massachusetts, 1976
B.S., Chemistry, University of Alabama, 1974

Experience

2006-present Dean, College of Science and Letters, SD School of Mines and
Technology
2004-2006 Associate Vice President for Academic Affairs, Mesa State College
2003-2004 Interim Vice President for Academic Affairs, Mesa State College
1999-2004 Dean, School of Natural Sciences and Mathematics, Mesa State College
1997-1999 Assistant Dean, School of Natural Science and Mathematics, University of
Texas at Dallas
1995 Visiting Scientist at US Geological Survey, Boulder, CO
1990-1995 Chairman, Department of Chemistry, University of Texas at Dallas
1984-1999 Member of Chemistry Faculty, University of Texas at Dallas
1981-1984 Research Chemist, Gulf Research and Development Company

Scholarly Activity

Refereed Publications 45

Recent Extramural Support

“Development of an Online GIS Course”, \$49,000, September 1, 2004-
December 31, 2004, Colorado Institute on Technology

“Western Colorado Rural Teacher Preparation Initiative”, \$115,246,
August 2003-July 2004, Department of Education

“Acquisition of an ICP-OES Spectrometer for Undergraduate Research
and Teaching”, \$96,922, September 2001, National Science Foundation

“The CSEMS Project at Mesa State College”, \$270,000, March 2001-May 2004, National Science Foundation
“Center for Science Learning”, \$100,000, July 2000, private endowment
“Mentoring Enhanced Scientific Achievement: The MESA Project”, \$14,500, June 2000-May 2001, Colorado Institute of Technology
“Manganese Photochemistry in Pristine and Contaminated Mountain Streams”, \$336,000, September 1998-August 2001, Environmental Protection Agency

Professional Activities

Member of the Board of Directors for the Grand Mesa Nordic Council, 2002-2005
Member of the Board of Directors for the Museum of Western Colorado, 2001-2003
Member of the Oversight Committee for the Saccomanno Research Institute, 2000-2006
Chairman, Technical Review Panel on Waste Characterization and Disposal Room Chemistry, Department of Energy, WIPP facility, 1996
Member, American Chemical Society Presidential Task Force on Graduate Education, 1994-1996
Chairman, State-wide Chemistry Curriculum Task Force, University of Texas System Alliance for Minority Participation, National Science Foundation, 1992-1997

Research Interests

Biogeochemistry of Mountain Streams Impacted by Mine Drainage
Phytoremediation of Hazardous Wastes
Constructed Wetlands

Representative Publications

- “Redox Processes Controlling Manganese Fate and Transport in a Mountain Stream”, Durelle T. Scott, Diane M. McKnight, Bettina M. Voelker, and Duane C. Hrncir, **Environ. Sci. Technol.**, 2002, **36**, 453-459.
- “Seasonal Variation of Metals Transport through a Wetland Impacted by Mine Drainage in the Rocky Mountains”, Eric E. August, Diane M. McKnight, Duane C. Hrncir, and Kimberly S. Gerhardt, **Environ. Sci. Technol.**, 2002, **36**, 3779-3786.
- “Photochemical and Microbial Processes Influencing Iron-Humic Interactions in Stream and Lake Sediments”, D.M. McKnight, D.T. Scott, D.C. Hrncir, and D.R. Loveley, p. 351-369, in **Humic Substances and Chemical Contaminates**, 2001. Soil Science Society of America, Madison, WI.
- “Variation on Photoreactivity of Iron Hydroxides Taken From an Acidic Metal-enriched Stream”, Duane C. Hrncir and Diane M. McKnight, **Environ. Sci. Technol.**, 1998, **32**, 2137-2141.