



United States Department of the Interior



GEOLOGICAL SURVEY
BOX 25046 M.S. 412
DENVER FEDERAL CENTER
DENVER, COLORADO 80225

IN REPLY REFER TO:

July 12, 1990

The Board of Trustees of the Rocky Mountain Hydraulics Laboratory (RMHL) would like to invite you to attend the 45th annual meeting of the RMHL to be held at the Wild Basin Lodge near Allenspark, Colorado (at the Wild Basin entrance to Rocky Mountain National Park) on Saturday August 18, 1990, from 11:30 to about 4:00. The purpose of the meeting is to bring together scientists conducting interdisciplinary research in the Colorado Rockies. The proposed agenda and a location map are enclosed.

The North St. Vrain Creek basin primarily drains a part of Rocky Mountain National Park (hence, it is and will continue to be a natural-conditions watershed) with a drainage area of 85 square kilometers. The basin elevation varies from 2,440 meters at the RMHL to 4,345 meters at Longs Peak in Rocky Mountain National Park. The RMHL is a non-profit research corporation devoted to interdisciplinary research. The RMHL is an outdoor laboratory consisting of 8.1 hectares that straddle the North St. Vrain Creek. There is a 2.5 x 8 meter concrete flume on the left bank of the North Saint Vrain Creek at the RMHL. In November 1985, the U.S. Geological Survey (WRD) assumed responsibility for the operation and maintenance of the RMHL. A streamflow-gaging station was installed in October 1986 just upstream from the laboratory to provide baseline streamflow data for a variety of potential research projects. The potential research includes studies of mountain hydraulics, acid rain, water chemistry, ecology, sediment transport, geomorphology, and basin hydrology. Also the site has great potential for training associated with the USGS National Training Center and for equipment evaluation in cold environments. Recently Colorado State University researchers have utilized this flume. Currently there are three sites (each with 10 to 15 cross sections) in the North St. Vrain Creek where I am collecting hydraulic and sediment data for hydraulic research.

The Allenspark and Estes Park area has many recreational activities (hiking, horseback riding, sightseeing, etc.) for family activities. If you would like to receive a brochure on these activities, lodging, and camping, please let me know and I will mail you one.

We hope you are able to attend and participate in the RMHL annual meeting. Colleagues or students that would be interested in attending the meeting also are welcome; please have them contact me. For planning purposes and the necessary luncheon reservations please let me know by August 14th if you will attend the meeting. If you have any questions please call me at (303)236-6447 (USGS) or (303)237-4008 (home).

*7/18/90
left message
did I work
Robert*

Sincerely,

Robert D. Jarrett

Robert D. Jarrett
Hydrologist

*Henry at home: 747-2455
Home: 482-4613*

ROCKY MOUNTAIN HYDRAULICS LABORATORY
FORTY-FIFTH ANNUAL MEETING

THEME: FUTURE DIRECTION AND RESEARCH OPPORTUNITIES AT RMHL

WILD BASIN LODGE, NEAR ALLENSPARK, COLORADO
SATURDAY, AUGUST 18, 1990
11:30 AM TO 4:00 PM

- 11:30 BUFFET LUNCH (\$6.00 + TAX AND TIP), WILD BASIN LODGE
- 12:30 OPENING REMARKS
- 12:40 RMHL OFFICERS REPORT
- 1:00 BOB JARRETT, USGS -OVERVIEW OF CURRENT RMHL RESEARCH ACTIVITIES
- 1:20 VERNE SCHNEIDER, U.S. GEOLOGICAL SURVEY AND DIRECTOR ROCKY MOUNTAIN
HYDRAULICS LABORATORY -DIRECTION OF RMHL RESEARCH ACTIVITIES
- 1:30 TISSA ILLANGASEKARE, UNIVERSITY OF COLORADO -EMERGING PROBLEMS IN
GROUND WATER HYDROLOGY
- 1:50 BOB AVERETT, USGS - WATER QUALITY AND ECOLOGICAL ISSUES
- 2:10 BREAK
- 2:40 STEVE ABT, COLORADO STATE UNIVERSITY -HUMAN INSTABILITY IN FLOOD
FLOW
- 3:10 MAURY ALBERTSON, COLORADO STATE UNIVERSITY -RESEARCH FUNDING
OPPORTUNITIES FOR THE RMHL
- 3:30 OPEN DISCUSSION OF ONGOING RESEARCH -(ALL ATTENDEES)
- 4:00 OPTIONAL: PALEOFLOOD HYDROLOGY DISCUSSION AND FIELDTRIP ST. VRAIN
CANYON
- 5:15 END PALEOHYDROLOGY FIELDTRIP

Lab visit w Maury Albertson