

## NEWS

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### XIIth CONGRESS OF THE INTERNATIONAL ASSOCIATION FOR HYDRAULIC RESEARCH

11-14 September, 1967, at Colorado State University  
Fort Collins, Colorado

#### MAIN SUBJECTS

##### 1. River Hydraulics

The following questions are included:

- (a) Bed roughness
- (b) Channel shape and irregularities
- (c) Role of secondary currents

##### 2. Stochastic Processes of Macroturbulence in Hydraulics

The following questions are included:

- (a) Stochastic flow processes of large scale vorticities and macropulsations
- (b) Stochastic analysis of instability phenomena and forms of channels with movable beds
- (c) Effects of macroturbulent flow on river channels and hydraulic structures.
- (d) Measurement methods of macroturbulence and treatment of results of measurements.

##### 3. Erosion and Local Scour

The following questions are included:

- (a) Basic mechanics of local scour in non-cohesive, cohesive and rock beds
- (b) Secondary current and macroturbulence as the sources of scouring forces
- (c) Time as the factor in scouring processes (scouring phenomena and speed as related to flood hydrographs).

##### 4. Microturbulent Diffusion and Dispersion

#### SEMINAR TOPICS

At the seminars during the Congress, the following subjects will be discussed:

(1) Hydrodynamic forces and responses in hydraulic equipment for large dams and other structures. At the seminar, the program reports of the working groups of the Committee on Hydraulic Machinery, Cavitation and Equipment will also be presented.

(2) Ice effect on the flow in rivers and reservoirs including pressure on structures.

(3) Possibilities and limitations of computations in coastal engineering.

## DATES AND SUBJECTS

for the Fort Collins 1967 International Hydrology Symposium  
September 6th, 7th and 8th, 1967, at Colorado State University,  
Fort Collins, Colorado (September 9th and 10th, the weekend  
between the symposium and the XIIth Congress of the Inter-  
national Association for Hydraulic Research, is the recess for the  
participants attending both conferences).

### OBJECTIVES OF THE SYMPOSIUM

1. To stimulate the making of a better bridge between re-  
search activities and hydrology.
2. To stimulate the new scientific ideas and the advance-  
ment of new research methods in hydrology.

### MAIN SUBJECTS

1. September 6, 1967  
New ideas and scientific methods in deterministic  
(parametric, dynamic, physical or analytical) hydrology.
2. September 7, 1967  
New ideas and scientific methods in stochastic (statistical)  
hydrology.
3. September 8, 1967  
Simultaneous application of scientific methods of determin-  
istic and stochastic hydrology.

### CO-SPONSORS OF THE SYMPOSIUM

International Association for Scientific Hydrology (IASH);  
International Association for Hydraulic Research (IAHR); World  
Meteorological Organization (WMO); American Geophysical  
Union (AGU) Section of Hydrology; U.S. Universities Council  
on Water Resources (UCOWR); U.S. National Committee for  
the International Hydrological Decade (IHD); American Society  
of Civil Engineers (ASCE); and Colorado State University (CSU).