

RIVER INPUTS TO OCEAN SYSTEMS (RIOS)

RIOS Workshop March 1979 : outline programme

SESSION : *Controls on River Water Composition and the Mass Balance of River Systems.*
Rapporteur : A. Lerman

- F.T. MacKenzie : Mass Balance of Contemporary River Systems.
- M. Meybeck : Pathways of Major Elements from Land to Ocean through Rivers.
- J. van Bennekom : Pathways of Nutrients and Organic Matter from Land to Ocean
(with W. Salomons) through Rivers.
- J.M. Edmond : Pathways of Trace Elements from Land to Ocean through Rivers.
- J. Zobrist : Chemical Dynamics of the Rhine Catchment Area in Switzerland :
(with W. Stumm) Consideration of the "Pristine" Rhine River Input into the Ocean.
- F.J. Millero : Chemical Speciation in River Waters.

SESSION : *Erosion and Transport of Material (Dissolved and Particulate).*
Rapporteur : H. Postma

- J.D. Milliman : Flux of Riverborne Particulate Material to the Oceans.
- K.R. Dyer : Diffusion and Dispersion of Salt in Estuaries.
- R.B. Gordon : Estuarine Power and Trapping Efficiency
- J.R. Schubel : Transportation and Accumulation of Fine-Grained Sediments in
(with D.J. Hirschberg) Estuaries.
- J.K. Cochran : Biological Influences on Sedimentary Processes.
(with R. Aller)
- S. Krishnaswami : Geochronology of Estuarine Sediments.

SESSION : *Behaviour of Chemical Species During Estuarine Mixing.*
Rapporteur : D.R. Schink

- M. Whitfield : Speciation of Dissolved Constituents in Estuaries.
(with A.G. Dickson and D.R. Turner)
- V. Pravdic : Physicochemical Parameters describing the Role of Particulate
(with J. Jednacak- Material in Estuarine Waters.
Biscan and M. Juracic)
- J.M. Bowers : Behaviour of Trace Metals During Estuarine Mixing.
(with P.A. Yeats)

- J.D. Smith : Role of Iron in Control of Suspended Solids and Trace Metals in Estuaries.
- R. Wollast : Redox Processes in Estuaries.
- R.F.C. Mantoura : Dissolved organic Constituents in River and Estuarine Waters.
- J. Simpson : Fluxes and Behaviour of Reactive Material in Urban Estuaries.
(with R.F. Bopp, R.L. Deck and C.R. Olsen)
- J.E. Hammond : Diffusion in Interstitial Waters and Transport Across the Sediment-Water Interface.
- A. Lerman : Modelling of Estuarine Behaviour of Dissolved Constituents, including Processes at Sediment-Water Interfaces.
- E. Sholkovitz : Estuarine Chemistry as Deduced from Laboratory Experiments.
- SESSION : *Chemical Interactions involving the Biosphere and Fluxes of Organic Material in Estuaries.* Rapporteur : J.H. Reuter
- P.J. leB. Williams : Primary Productivity and Heterotrophic Activity in Estuaries.
- G. Rheinheimer : Estuarine Bacterial Populations and their Role in the Decomposition of Organic Material.
- R.A. Schroeder : Fluxes of Organics in Estuaries.
- J.J. McCarthy : Nutrient Cycling.
- W. Reeburgh : Anaerobic Methane Consumption and its Effect on Carbon and Sulfur Cycles in Marine Sediments.
- SESSION : *Man's Influence on RIOS and Comparison of Pathways to the Coastal Zone.* Rapporteur : P. Weyl.
- E.D. Goldberg : The Records of Man's Impact upon River Inputs to Ocean Systems.
- R.H. Meade : Man's Influence on the Discharge of Fresh Water, Dissolved Material and Sediment by Rivers to the Atlantic Coastal Zone of the United States.
- K.K. Bertine : Records of Changing Regimes in Sediments of Estuaries in Semi-arid Areas.
- H.L. Windom : Comparison of River Inputs and Atmospheric Transport of Inorganic Materials to the Coastal Zone.
- E.K. Duursma : Comparison of River Inputs and Other Pathways of Organic Materials in the Coastal Zone.
- P.S. Liss : Air/Sea Gas Fluxes in the Estuarine and Coastal Zones.