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Nota di contenuto	Development of a radioisotope gage for monitoring sediment concentration in rivers and streams -- Bach Sellers, Charles A. Ziegler and John Papadopoulos -- Isotope snow gages for determining hydrologic characteristics of snowpacks -- James L. Smith, Donald W. Willen and Michael S. Owens -- Design of a neutron scattering water content gage for soils -- Kenneth Preiss -- Downward movement of soil moisture traced by means of hydrogen isotopes -- U. Zimmermann, K.O. Munnich and W. Roether -- The application of isotopes to some problems in atmospheric sciences -- Eugene W. Bierly -- A balloon-borne hygrometer system for the measurement of atmospheric water vapor -- Stephen F. Rohrbough, John G. Ballinger and Lyle E. Koehler -- Diffusiophoretic and thermophoretic effects on particulate matter near condensing and evaporating water surfaces -- Phillip Goldsmith -- The atmospheric transport of tritium -- Erik Eriksson -- Hurricane tritium I : preliminary results on Hilda 1964 and Betsy 1965 -- H. Gote Ostlund -- The tracing of radioisotopes released into the lower troposphere -- Joseph A. Warburton -- Contribution of isotope techniques to the study of some hydrological problems -- Bryan R. Payne -- The use of radioactive tracer gases to study the rate of exchange of water vapor between air and natural surfaces -- P.J. Barry -- Application of deuterium analyses to the hydrology of the lakes of the Grand Coulee, Washington -- Irving Friedman and Alfred C. Redfield -- Ultra-low-velocity measurement in a stratified reservoir by

isotopic current meter -- Rex A. Elder and Svein Vigander -- A numerical model for the hydrologic transport of radioactive aerosols from precipitation to water supplies -- Dale D. Huff and Paul Kruger -- Water tracing in the hydrologic cycle -- L.L. Thatcher -- Development of isotope methods applied to groundwater hydrology -- A. Nir -- Radiocarbon determinations applied to groundwater hydrology -- Bruce B. Hanshaw [and others] -- Groundwater flow and direction measurement by means of radioisotopes in a single well -- J. Mairhofer -- Use of chemical and radioactive tracers at the National Reactor Testing Station, Idaho -- Donald A. Morris -- Radiocarbon ages of groundwater in an arid zone unconfined aquifer -- M.A. Tamers -- Large-scale utilization of tritium in hydrologic studies -- Erik Eriksson -- Environmental tritium studies at the National Reactor Testing Station -- D.B. Hawkins and B.L. Schmalz -- Fractionation of tritium and deuterium in soil water -- Gordon L. Stewart -- Techniques of groundwater tracing using radionuclides -- W.F. Merrit -- The use of a tracer test to verify an estimate of the groundwater velocity in fractured crystalline rock at the Savannah River Plant near Aiken, South Carolina -- I. Wendell Marine -- O18/O16 ratios in snow and ice of the Hubbard and Kaskawulsh glaciers -- D.S. Macpherson and H.R. Krouse -- General comment on microbiological activity and its effect on isotopic studies of water -- H.R. Krouse.

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