

JOURNAL OF HYDROLOGY (N.Z.)

AUTHOR INDEX

Volumes 1-10

- Archer, A. C.: STUDIES OF SNOW CHARACTERISTICS IN THE NORTH-EASTERN BEN OHAU MOUNTAINS, NEW ZEALAND. 9(1): 4-21.
- Batcheler, C. L.: A HEATED ALPINE PRECIPITATION GAUGE. 9(1): 36-42.
- Blake, G. J.: *Measurement of Interception Loss in Teatree.* (abstract only) 4(2): 87 [see also 5(1): 27].
- Blake, G. J., and Branson, F. A.: ROOT SURVEY METHODS FOR HYDROLOGICAL EXPERIMENTS. 8(1): 3-7.
- Blake, G. J., Mallinson, G. D., and Lykles, P.: INFILTRATION IN THE PUKE-TURUA EXPERIMENTAL BASIN. 7(1): 38-46.
- Blake, G. J., and Morrissey, W. B.: *An Approach to the Optimum Rain-gauge Network for Representative and Experimental Basins.* (abstract only) 5(2): 122.
- Blake, G. J., and Taylor, J. L.: INTERCEPTION AND PHYTOMORPHOLOGY. 6(2): 70-73.
- Blong, R. J.: DISCONTINUOUS GULLIES ON THE VOLCANIC PLATEAU. 5(2): 87-99.
- Boughton, W. C.: PLOTS FOR EVALUATING THE CATCHMENT CHARACTERISTICS AFFECTING SOIL LOSS. 1 - DESIGN OF EXPERIMENTS. 6(2): 113-119.
- *Hydrological Characteristics of Catchments.* (abstract only) 6(2): 141.
- A MATHEMATICAL CATCHMENT MODEL FOR ESTIMATING RUNOFF. 7(2): 75-100.
- Boughton, W. C., and McKerchar, A.: GENERATING SYNTHETIC STREAM-FLOW RECORDS FOR NEW ZEALAND RIVERS. 7(2): 112-123.
- Boyle, R. J.: ANALYSIS OF RIVERBED MATERIALS BY PHOTOGRAPHS. 1(2): 49-50.
- Burton, J. R.: *Hydrological Desiderata.* (abstract only) 4(2): 85.
- WATERSHED MANAGEMENT. (editorial) 9(1): 1-3.
- Caddie, G. H.: ESTIMATING RAINFALL FACTORS FROM DATA OBTAINED IN ACTUAL STORMS. 3(1): 27-29.
- *An Analysis of Some Data from Natural Alluvial Channels.* (abstract only) 5(2): 122.
- Callander, R. A.: NON-UNIFORM FLOW IN OPEN CHANNELS - A GRAPHICAL SOLUTION. 3(2): 25-35.
- RESEARCH IN LOOSE BOUNDARY HYDRAULICS AT AUCKLAND UNIVERSITY. 5(2): 111-121 [see also 6(1): 45].

- Campbell, A. P.: *The Partnership of Hydrology and Meteorology*. (abstract only) 1(1): 15.
- HYDROLOGICAL IMPRESSIONS FROM A VISIT TO THE UNITED STATES. 2(2): 61-63.
- *Extension from Experimental Basins to Large Catchments: Forecasting Downstream Effects from Dominant Discharge and Other Interpretative Data*. (abstract only) 4(2): 88.
- Campbell, A. P., and Caddie, G. H.: EROSION RATE COEFFICIENTS FOR SOME NEW ZEALAND CATCHMENTS. 2(1): 22-23.
- Campbell, A. P., and Hall, G. J.: *Evaluating Small Area Dominant Discharge by Theory and Observation*. (abstract only) 4(2): 86.
- Chandler, A.: INSTALLATION AND FROST PROTECTION OF LAMBRECHT RAIN-GAUGES. 4(1): 34-38.
- Chinn, T. J.: *The Problem of Variable Bed Levels on Gauging Sites*. (abstract only) 6(2): 138.
- *South Canterbury Snowstorm of November 1967*. (abstract only) 7(2): 138.
- SNOW SURVEY TECHNIQUES IN THE WAITAKI CATCHMENT, SOUTH CANTERBURY. 8(2): 68-76.
- Corcoran, B. St C.: A GENERAL SPATIAL MODEL. 1 - APPLICATION TO EFFICIENT LAND USE. 10(2): 127-132.
- Coulter, J. D.: EASTERLY AND WESTERLY RAINFALLS IN HAWKE'S BAY. 1(1): 3-4.
- *A Broad Scale Water-Balance Study for New Zealand*. (abstract only) 4(2): 83.
- Crozier, M. J.: EARTHFLAWS AND RELATED ENVIRONMENTAL FACTORS OF EASTERN OTAGO. 7(1): 4-12.
- *Slope Failure During Heavy Rainfall in Eastern Otago*. (abstract only) 7(2): 139.
- Cunningham, A.: *Some Studies of Erosion Rates in the Kaweka Range*. (abstract only) 5(2): 122.
- PROTECTION FOREST RESEARCH IN THE NORTH ISLAND IN RELATION TO HYDROLOGY. 2(1): 3-6.
- Cunningham, A., and Arnott, W. B.: OBSERVATIONS FOLLOWING A HEAVY RAINFALL ON THE RIMUTAKA RANGE. 3(2): 15-24.
- Dakin, R. A.: *Monthly Rainfall Records Used to Evaluate Low-Flow Data*. (abstract only) 7(2): 140.

- Downey, K. D.: HYDROLOGY AND UNESCO. (editorial) 8(1): 1-2.
- Drost, H.: VELOCITY HEAD ROD FOR MEASURING STREAM FLOW. 2(1): 7-11
[see also 3(1): 30].
- PRECALIBRATED FIBREGLASS FLOW MEASUREMENT STRUCTURES FOR EXPERIMENTAL BASINS. 5(1): 20-24 [see also 5(2): 124].
- Edwards, K. A., and Rodda, J. C.: A PRELIMINARY STUDY OF THE WATER BALANCE OF A SMALL CLAY CATCHMENT. 9(2): 202-218.
- Eiselstein, L. M.: *Design of Hydrologic Land-Use Experiments*. (abstract only) 4(2): 86.
- Fahy, B. D.: THROUGHFALL AND INTERCEPTION OF RAINFALL IN A STAND OF RADIATA PINE. 3(1): 17-26.
- Finkelstein, J.: *Evaporation in New Zealand*. (abstract only) 1(1): 17.
- PERSISTENCE OF DAILY RAINFALL AT SOME NEW ZEALAND STATIONS. 6(1): 33-45.
- *Some Measures of the Incidence of Wet Weather*. (abstract only) 6(2): 140.
- COMPARISON BETWEEN 4-INCH PLASTIC AND 5-INCH COPPER RAIN-GAUGES. 10(2): 100-103.
- Fish, G. R.: LAKES: THE VALUE OF RECENT RESEARCH TO MEASURE EUTROPHICATION AND TO INDICATE POSSIBLE CAUSES. 8(2): 77-85.
- Fitzgerald, P. D.: EXPERIENCE WITH A NEUTRON SCATTERER FOR MEASUREMENT OF SOIL MOISTURE. 2(2): 71-72.
- A CRITICAL TABLE FOR THORNTHWAITTE'S POTENTIAL EVAPOTRANSPIRATION. 8(2): 92.
- Fitzgerald, P. D., Cossens, G. G., and Rickard, D. S.: INFILTRATION AND SOIL PHYSICAL PROPERTIES. 10(2): 120-126.
- Fraser, W. J.: *Derivation of Annual Suspended Sediment Yield*. (abstract only) 4(2): 84.
- *Characteristics of Suspended Sediment Delivery*. (abstract only) 5(2): 124.
- Gilchrist, A. N.: *Use of the Water Balance in the Estimation of Irrigation and Drainage Requirements and in Predicting the Effect of Subsoiling*. (abstract only) 7(2): 139.
- Gillies, A. J.: REVIEW OF SNOW SURVEY METHODS, AND SNOW SURVEYS IN THE FRASER CATCHMENT, CENTRAL OTAGO. 3(1): 3-16.
- Grant, P. J.: *Some Hydro-Meteorological Problems Requiring Closer Attention*. (abstract only) 1(1): 16.

- SOME MANUAL METHODS OF RECORDING MAXIMUM WATER LEVEL. 1(2): 45-49.
- MAJOR REGIME CHANGES IN THE TUKITUKI RIVER, HAWKE'S BAY, SINCE ABOUT 1650 A.D. 4(1): 17-30.
- GROUND WATERS OF THE HERETAUNGA PLAINS. 1—THE NGARURORO RIVER AS A MAJOR RECHARGE SOURCE. 4(2): 65-80.
- *Rainfall Measurement - A Neglected Problem in New Zealand.* (abstract only) 4(2): 87.
- VARIATIONS OF RAINFALL FREQUENCY IN RELATION TO EROSION IN EASTERN HAWKE'S BAY. 5(2): 73-86.
- *The Impact of High-Intensity Rain Storms on Some North Island Mountain Areas.* (abstract only) 5(2): 124.
- VARIATIONS OF RAINFALL FREQUENCY IN RELATION TO DROUGHT ON THE EAST COAST. 7(2): 124-135.
- RAINFALL PATTERNS ON THE KAWEKA RANGE. 8(1): 17-34.
- LOW FLOW CHARACTERISTICS ON THREE ROCK TYPES OF THE EAST COAST, AND THE TRANSLATION OF SOME REPRESENTATIVE BASIN DATA. 10(1): 22-35.
- Green, M. J.: EFFECTS OF EXPOSURE ON THE CATCH OF RAIN GAUGES. 9(2): 55-71.
- Greenland, D. E., and Owens, I. F.: AN ANALYSIS OF RAINFALL AND SOIL MOISTURE CHARACTERISTICS IN THE CHILTON VALLEY. 6(2): 80-88.
- Hartog, H.: AUTOMATIC DATA PROCESSING. 5(1): 25-27.
- Hay, J. E.: COMPUTATION MODEL FOR RADIATIVE FLUXES. 10(1): 36-48.
- Hayward, J. A.: PLOTS FOR EVALUATING THE CATCHMENT CHARACTERISTICS AFFECTING SOIL LOSS. 2—REVIEW OF PLOT STUDIES. 6(2): 120-137.
- Heine, A. J.: SNOW AND ICE INVESTIGATIONS IN NEW ZEALAND. 1(2): 53-54.
- Henderson, F. M.: *Flood Waves in Prismatic Channels.* (abstract only) 1(2): 56.
- Himida, I. H.: THE NUBIAN ARTESIAN BASIN, ITS REGIONAL HYDROGEOLOGICAL ASPECTS AND PALAEOHYDROGEOLOGICAL RECONSTRUCTION. 9(2): 89-116.
- Hutchinson, P.: *Estimation of Rainfall in Sparsely Gauged Areas.* (abstract only) 7(2): 138.
- A NOTE ON RANDOM RAIN-GAUGE ERRORS. 8(1): 8-10.

- Hutchinson, P., and Simmers, I.: A MODIFIED CATCHMENT MODEL OF THE UPPER TAIERI RIVER, OTAGO, NEW ZEALAND. 10(1) : 2-21.
- Jackson, R. J.: SLIPS IN RELATION TO RAINFALL AND SOIL CHARACTERISTICS. 5(2) : 45-53.
- THE EFFECT OF SLOPE, ASPECT AND ALBEDO ON POTENTIAL EVAPOTRANSPIRATION FROM HILLSLOPES AND CATCHMENTS. 6(2) : 60-69.
- *Storm Discharge and its Dependence on Antecedent Soil Moisture.* (abstract only) 6(2) : 140.
- Johnson, F. A.: STREAM DISCHARGE ESTIMATION. 9(1) : 22-28.
- Johnson, P.: CALCULATION OF THE INSTANTANEOUS UNIT HYDROGRAPH USING LAPLACE TRANSFORMS. 9(2) : 307-322.
- Jones, I. E.: THE CONTINUOUS RECORDING OF EARTHMOVEMENTS ON EARTH-FLOWS, SLIPS AND LAND SLUMPS WITH A MODIFIED AUTOMATIC WATER LEVEL RECORDER. 1(2) : 50-52.
- Juncker, P.: TOWARD A GLOBAL HYDROLOGICAL TYPOLOGY. 10(2) : 145-153.
- Keller, H. M.: SOURCES OF STREAM FLOW IN A SMALL HIGH-COUNTRY CATCHMENT IN CANTERBURY, NEW ZEALAND. 6(1) : 2-19.
- FACTORS AFFECTING WATER QUALITY OF SMALL MOUNTAIN CATCHMENTS. 9(2) : 133-141.
- Khatri Chhetri, T. B., and Painter, D. J.: ERODIBILITY OF NEW ZEALAND SOILS. 10(1) : 49-58.
- Lawson, D. W.: A DISTRIBUTED HYDROLOGICAL MODEL BASED ON THE CONCEPT OF GROUNDWATER RECHARGE, TRANSMISSION, AND DISCHARGE. 10(2) : 137-144.
- de Leon, P. R. L.: THE DETERMINATION OF STORM AVERAGE LOSS RATES FOR RODING RIVER REGIONAL CATCHMENT, NELSON. 2(1) : 12-17.
- Liebscher, H.: RESULTS OF RESEARCH ON SOME EXPERIMENTAL BASINS IN THE UPPER HARZ MOUNTAINS (FEDERAL REPUBLIC OF GERMANY). 9(2) : 163-176.
- Lusby, G. C., and Hadley, R. F.: DEPOSITION BEHIND LOW DAMS AND BARRIERS IN THE SOUTH-WESTERN UNITED STATES. 6(2) : 89-105.
- Mandeville, A. N., and Rodda, J. C.: A CONTRIBUTION TO THE OBJECTIVE ASSESSMENT OF AREAL RAINFALL AMOUNTS. 9(2) : 281-291.
- Martinec, J.: ESTIMATION OF ROUGHNESS COEFFICIENT FROM VELOCITY MEASUREMENTS IN OPEN CHANNELS. (discussion of paper by A. J. Raudkivi) 3(2) : 36-38.
- McNabb, A.: *Draining in a Thin Horizontal Permeable Layer.* (abstract only) 1(2) : 55.

- Molloy, B. P.: EVIDENCE FOR POST-GLACIAL CLIMATIC CHANGES IN NEW ZEALAND. 8(2): 56-67.
- Morris, J. Y., and O'Loughlin, C. L.: SNOW INVESTIGATIONS IN THE CRAIGIE-BURN RANGE. 4(1): 2-16.
- Morrissey, W. B.: THE SLACKLINE CABLEWAY AS USED IN ENGLAND. 1(2): 30-35.
- PRECIPITATION MEASUREMENT IN NEW ZEALAND REPRESENTATIVE AND EXPERIMENTAL BASINS. 6(1): 20-32.
- Nevins, T. H.: THE MATTHES ROLLING DIAMETER AS AN INDICATOR OF CHANNEL STABILITY. 7(1): 47-50.
- RIVER DISCHARGES: NEW ZEALAND'S PLACE IN THE WORLD. 9(1): 43-46.
- Nissen, P. B.: OVERSEAS HYDRO-METEOROLOGICAL PRACTICE. 1(1): 12-15.
- Ouma, J. P. B. M.: FLUVIAL DIFFERENTIATION OF THE BASIN OF LAKE VICTORIA. 9(2): 219-251.
- Pain, C. F.: GEOMORPHIC EFFECTS OF FLOODS IN THE ORERE RIVER CATCHMENT, EASTERN HUNUA RANGES. 7(2): 62-74.
- Pardé, M.: FLOW REGIMES OF NEW ZEALAND RIVERS. 5(1): 2-19.
- Patterson, J. E.: A COMBINED EVENT AND FIXED-TIME RECORDER. 10(2): 133-136.
- Pearson, F. H.: GENERATION OF MONTHLY STREAM-FLOW DATA. 7(2): 101-111.
- UNIT HYDROGRAPH BY DIFFUSION ANALOGY. 9(2): 299-306.
- Pittams, R. J.: *Definition and Determination of Morphological Characteristics of Experimental Basins in New Zealand.* (abstract only) 4(2): 86.
- PRELIMINARY WATER BALANCE STUDIES OF THE ROTORUA LAKES. 7(1): 24-37.
- AN EMPIRICAL RELATIONSHIP BETWEEN RAINFALL AND RUNOFF. 9(2): 357-372.
- Pullar, W. A.: FLOOD RISK AT WHAKATANE. 2(2): 47-52.
- GROUND SURFACES ON FLOOD PLAINS. 4(1): 31-34.
- Rapier, D. A., and Grant, P. J.: COMPARISON OF WETTING LOSSES ON TWO TYPES OF RAINGAUGE. 10(2): 104-108.
- Raudkivi, A. J.: CURRENT RESEARCH IN HYDROLOGY IN NEW ZEALAND UNIVERSITIES. 2(1): 24-27.

- ESTIMATION OF ROUGHNESS COEFFICIENT FROM VELOCITY MEASUREMENTS IN OPEN CHANNELS. 2(2): 53-56 [see also 3(2): 36].
- ON STATISTICAL ANALYSIS OF FLOOD FLOWS. 2(2): 64-67.
- Raudkivi, A. J., and Lawgun, N.: MONTHLY PERSISTENCE PATTERNS OF AUCKLAND RAINFALL YIELDS. 9(1): 29-31.
- Reynolds, S. G.: A TROPICAL EXAMPLE OF TOPSOIL ENRICHMENT BY FLOOD SILT. 9(1): 32-35.
- Rickard, D. S., and Fitzgerald, P. D.: THE ESTIMATION AND OCCURRENCE OF AGRICULTURAL DROUGHT. 8(1): 11-16.
- Ridall, G. T.: A COMPREHENSIVE WATER SAMPLER. 2(1): 18-21.
- Rowley, J. A.: *Some Hydrological Effects of Burning and Clipping Narrow-Leaved Snow Tussock, Chionochloa rigida.* (abstract only) 6(2): 138.
- Ryan, A. P.: RADAR ESTIMATION OF RAINFALL. 5(2): 100-110.
- Scarf, F.: HYDROLOGICAL EFFECTS OF CULTURAL CHANGES AT MOUTERE EXPERIMENTAL BASIN. 9(2): 142-162.
- Selby, M. J.: SOME SLUMPS AND BOULDER FIELDS NEAR WHITEHALL. 5(2): 35-44.
- METHODS OF MEASURING SOIL CREEP. 5(2): 54-63.
- *Infiltration Characteristics of Some Pumice-Land Soils.* (abstract only) 6(2): 139.
- CONES FOR MEASURING SOIL CREEP. 7(2): 136-137.
- DESIGN OF A HAND-PORTABLE RAINFALL-SIMULATING INFILTRMETER WITH RESULTS FROM THE OTUTIRA CATCHMENT. 9(2): 117-132.
- Selby, M. J., and Hosking, P. J.: CAUSES OF INFILTRATION INTO YELLOW-BROWN PUMICE SOILS. 10(2): 113-119.
- Simmers, I.: ANALYSIS OF SOME HEAVY RAINFALLS IN THE RANGITIKEI DISTRICT. 1(2): 23-29.
- LOW FLOW CHARACTERISTICS OF THE RANGITIKEI RIVER. 2(2): 68-70.
- Slepicka, F.: ANALYTICAL RELATIONS IN THE TIME FREQUENCY OF THE TOTAL RIVER RUNOFF AND ITS GENETIC COMPONENTS. 9(2): 78-88.
- Smith, N. R.: BATTERY POWERED HEATING OF LAMBRECHT RAINGAUGES. 4(2): 81-88.

- Soons, J. M.: *Some Observations of Micro-Climate and Erosion Processes in the Cass Basin in the Southern Alps*. (abstract only) 5(2) : 123.
- RAINFALL/RUNOFF RELATIONSHIPS AT CASS. IN THE SOUTH ISLAND HIGH COUNTRY. 9(2) : 192-201.
- Speight, E. J.: PROTECTION OF RAINGAUGES FROM FREEZING. 1(1) : 10-12.
- PIVOT END-PLAY IN PRICE TYPE CURRENT METERS. 3(1) : 29-30 [see also 3(2) : 36].
- Svcboda, M.: THE HYDROLOGICAL BUDGET AND COMPUTATION OF GROUND-WATER COMPONENTS OF RIVER DISCHARGE IN THE NORTH-WEST PART OF POLICE REPRESENTATIVE BASIN IN CZECHOSLOVAKIA. 9(2) : 252-280.
- Swanson, R. H.: SAMPLING FOR DIRECT TRANSPIRATION ESTIMATES. 9(2) : 72-77.
- LOCAL SNOW DISTRIBUTION IS NOT A FUNCTION OF LOCAL TOPOGRAPHY UNDER CONTINUOUS TREE COVER. 9(2) : 292-298.
- Taylor, C. H.: RELATIONS BETWEEN GEOMORPHOLOGY AND STREAM FLOW IN SELECTED NEW ZEALAND RIVER CATCHMENTS. 6(2) : 106-112.
- Thompson, R. D.: HYDROLOGICAL BUDGET STUDIES ON GEOPHYSICALLY TEMPERATE GLACIERS. 7(1) : 13-23.
- Toebes, C.: THE WATER BALANCE. 1(1) : 5-9.
- A NOTE ON THE USE OF INFILTRATION EQUATIONS IN INFILTRATION ANALYSIS. 1(2) : 36-44.
- DRAWING STAGE-DISCHARGE CURVES THROUGH POINTS SHOWING SCATTER. 2(2) : 57-60.
- *New Zealand Programme for Representative and Experimental Basins and a Comparison with Overseas Proposals*. (abstract only) 4(2) : 84.
- THE PLACE OF HYDROLOGY IN NEW ZEALAND'S ECONOMY. (editorial) 6(2) : 57-59.
- THE PLACE OF HYDROLOGY IN SCIENCE. (editorial) 7(2) : 57-61.
- THE ENVIRONMENT. (editorial) 8(2) : 53-55.
- Toebes, C., and Scarf, F.: *Makara Experimental Basin - Some Initial Results*. (abstract only) 6(2) : 139.
- Toebes, C., and Strang, D. D.: ON RECESSION CURVES. I - RECESSION EQUATIONS. 3(2) : 2-14.
- Ward, A. J.: PIPE/SHAFT PHENOMENA IN NORTHLAND. 5(2) : 64-72.

- Waugh, J. R.: *Drought in Northland - A Study in Water Supply*. (abstract only) 7(2): 140.
- EVALUATION OF RAINFALL DATA FROM PLASTIC AND COPPER RAIN-GAUGES. 10(2): 109-112.
- Weyer, K. U., and Karrenberg, H.: INFLUENCE OF FRACTURED ROCKS ON THE RECESSON CURVE IN LIMITED CATCHMENT AREAS IN HILL COUNTRY: A RESULT OF REGIONAL RESEARCH AND A FIRST EVALUATION OF RUNOFF AT HYDROGEOLOGICAL EXPERIMENTAL BASINS. 9(2): 177-191.
- Wood, M. J., and Sutherland, A. J.: EVALUATION OF A DIGITAL CATCHMENT MODEL ON NEW ZEALAND CATCHMENTS. 9(2): 323-335.
- Wooding, R. A.: *Rainfall Run-off in a Thin Sloping Weathered Layer*. (abstract only) 1(2): 55.
- Woodyer, K. D.: *Bank-Full Frequency in Rivers in New South Wales*. (abstract only) 6(2): 138.
- Woolhiser, D. A., Hanson, C. L., and Kuhlman, A. R.: OVERLAND FLOW ON RANGELAND WATERSHEDS. 9(2): 336-356.
- Yates, M. E.: *Vegetation Measurements in Experimental Basins*. (abstract only) 4(2): 84.
- EFFECTS OF CULTURAL CHANGES ON MAKARA EXPERIMENTAL BASIN: HYDROLOGICAL AND AGRICULTURAL PRODUCTION EFFECTS OF TWO LEVELS OF GRAZING ON UNIMPROVED AND IMPROVED SMALL CATCHMENTS. 10(1): 59-84.