

## HIG Technical Reports (SOEST Library Holdings)

| Year        | Number | Title  |
|-------------|--------|--|
| <b>1957</b> |        |  |
|             | 1      | Ramage, C.S., 1957, Surface Weather Chart Analysis in Low Latitudes, Scientific Report 2, Contract AF 19(604)-1942, 23 pp. August  |
|             | 2      | Abbott, A.T. (ed.), 1957, Annotated Bibliography of Uses of Hawaiian Lavas Including a Report and Recommendations, Report to the Economic Planning and Coordination Authority, Hawaii, 92 pp. November                                     |
| <b>1958</b> |        |  |
|             | 3      | Ramage, C.S., 1958, Hurricane Development, Scientific Report 3, Contract AF 19(604)-1942, 30 pp. June  |
|             | 4      | Watanabe, K., H. Sakai, and K. Griswold, 1958, Photoionization Counter for the Vacuum Ultraviolet, Scientific Report 3, Contract AF 19(604)-1390, 40 pp. December  |
|             | 5      | Watanabe, K., et al. [H. Sakai, J. Mottl, and T. Nakayama], 1958, Absorption Cross Section of O <sub>2</sub> NO and NO <sub>2</sub> with an Improved Photo-Electric Method, Scientific Report 4, Contract AF 19(604)-1390, 12 pp. December |
| <b>1959</b> |        |  |
|             | 6      | Watanabe, K., 1959, Absorption and Photoionization of Atmospheric Gases, Final Report, Contract AF 19(604)-1390, 12 pp. March  |
|             | 7      | Worthley, L.E., 1959, Deviation of Geostrophic Wind from Measured Wind at 500 mb, Scientific Report 4, Contract AF 19(604)-1942, 13 pp. April  |
|             | 8      | Watanabe, K., T. Nakayama, and J. Mottl, 1959, Final Report on Ionization Potential of Molecules by a Photoionization Method, Final Report, Contract DA-04-200-Ord 480 and 737, 69 pp. December  |
|             | 9      | Ramage, C.S. (ed.), 1959, Notes on the Meteorology of the Tropical Pacific and Southeast Asia, Interim Report, Contract AF 19(604)-1942, 174 pp. December  |
| <b>1960</b> |        |  |
|             | 10     | Ramage, C.S., 1960, Tropical Meteorology--Research and Teaching, Final Report, Contract AF 19(604)-1942, 27 pp. May  |
|             | 11     | Orgill, M.M., 1960, An Investigation Into the Relationship of Monthly Circulation Indices and Anomalies to Typhoon Developments (in the Western Pacific), Scientific Report 2, Contract AF 19(604)-7229, 42 pp. August                     |
|             | 12     | Lavoie, R.L., and C.J. Wiedersanders, 1960, Objective Wind Forecasting Over the Tropical Pacific, Scientific Report 1, Contract AF 19(604)-7229, 38 pp. December   |
| <b>1961</b> |        |  |
|             | 13     | Wiedersanders, C.J., 1961, Analyses of Monthly Mean Resultant Winds for Standard Pressure Levels Over the Pacific, Scientific Report 3, Contract AF 19(604)-7229, 83 pp. March   |
|             | 14     | Cox, Doak C., 1961, Potential Tsunami Inundation Areas in Hawaii, Hawaii Inst. Geophys. Report, 26 pp. February  |
|             | 15     | Ramage, C.S., 1961, The Subtropical Cyclone, Scientific Report 1, Contract AF 19(604)-6156, 26 pp. April   |
|             | 16     | Wimbush, Mark H., 1961, Optical Astronomical Seeing: A Review, Report 1, Contract AF 19(604)-2292, 56 pp. May  |
|             | 17     | Estoque, M.A., 1961, The Sea Breeze as a Function of the Prevailing Synoptic Situation, Scientific Report 1, Contract AF 19(604)-7484, 26 pp. October  |
|             | 18     | Koteswaram, P., 1961, Cloud Patterns in a Tropical Cyclone in the Arabian Sea Viewed by TIROS I Meteorological Satellite, Scientific Report 2, Contract AF 19(604)-6156, 34 pp. November   |
|             | 19     | Estoque, M.A., 1962, Vertical and Radial Motions in a Tropical Scientific Report 1, NSF Grant G14770, 17 pp. April   |
| <b>1962</b> |        |  |
|             | 20     | Ramage, C.S., 1962, Diurnal Variation of Summer Rainfall Over Malaya, Scientific Report 3, Contract AF 19(604)-6156, 11 pp. June   |
|             | 21     | Laevastu, Taivo, 1962, The Causes and Predictions of Surface Currents in Sea and Lake, Hawaii Inst. Geophys. Report, 55 pp. July   |
|             | 22     | Estoque, M.A., 1962, A Numerical Model of the Atmospheric Boundary Layer, Scientific Report 2, Contract AF 19(604)-7484, 18 pp. July   |
|             | 23     | De La Cruz, Hugo, 1962, Stratospheric Temperature Variation Over the Tropical Pacific, Scientific Report 4, Contract AF 19(604)-7229, 38 pp. August  |

|             |      |  |
|-------------|------|--|
|             | 24   | Laevestu, Taivo, 1962, Water Types in the North Sea and Their Characteristics, Hawaii Inst. Geophys. Report, 13 pp. August   |
|             | 25   | Cox, Doak C., and Rockne H. Johnson, 1962, Pacific T-Phase Epicenters, Technical Summary Report 3, ONR Contract Nonr-3748(01), 16 pp. November   |
| <b>1963</b> |      |  |
|             | 26   | Avery, Don E., Doak C. Cox, and Taivo Laevastu, 1963, Currents Around the Hawaiian Islands, Hawaii Inst. Geophys. Report, 22 pp. January   |
|             | 27   | Lavoie, Ronald, 1963, Some Aspects of the Meteorology of the Tropical Pacific Viewed from an Atoll, Scientific Report 5, Contract AF 19(604)-7229, 77 pp. January  |
|             | 28   | Cox, Doak C., et al. [Augustine S. Furumoto, Rockne H. Johnson, and Martin Vitousek], 1963, Progress in Tsunami Research 1960-1962, Hawaii Inst. Geophys. Report, 15 pp. January   |
|             | 29   | Laevastu, Taivo, 1963, Energy Exchange in the North Pacific: Its Relations to Weather and Its Oceanographic Consequences, Part I, Formulas and Nomographs for Computation of Heat Exchange Components Over the Sea, Interim Report 1, NSF Grant GP-353, 15 pp. February  |
|             | 30   | Laevastu, Taivo, 1963, Energy Exchange in the North Pacific: Its Relations to Weather and Its Oceanographic Consequences, Part II, Procedure of Computation of Heat Exchange Components and the Accuracy of the Daily Computations, Interim Report 2, NSF Grant GP-353, 11 pp. March   |
|             | 31   | Laevastu, Taivo, 1963, Energy Exchange in the N. Pacific: Its Relations to Weather and Its Oceanographic Consequences, Part III, Daily Heat Exchange in the N. Pacific in Different Seasons: Oceanog. Consequences and Relations to Weather, Interim Report 3, NSF Grant GP-353, 21 pp. March  |
|             | 32   | Steiger, Walter R., 1963, The Hawaii Solar Flare Patrol, Final Report, Contract AF 19(604)-2292, 13 pp. April  |
|             | 33   | Sadler, James C., 1963, Tropical Cyclones of the Eastern North Pacific as Revealed by TIROS Observations, Scientific Report 4, Contract AF 19(604)-6156, 39 pp. May  |
|             | 34   | Johnson, Rockne H., 1963, Spectrum and Dispersion of Pacific T-Phases, Technical Summary Report 4, ONR Contract Nonr-3748(01), 12 pp. June   |
|             | 35   | Estoque, Mariano, 1963, Some Numerical Studies of Tropical Cyclones, Scientific Report 2, NSF Grant G14770, 15 pp. July  |
|             | 36   | Estoque, Mariano A., and Walter S. Yee, 1963, Air-Earth Interface Characteristics and the Atmospheric Boundary Layer, Scientific Report 3, Contract AF 19(604)-7484, 9 pp. July  |
|             | 37   | Lavoie, Ronald, 1963, Research on the Meteorology of the Tropical Pacific and Its Applications, Final Report, Contract AF 19(604)-7229, 42 pp. June  |
|             | 38   | Woollard, George P., 1963, An Evaluation of the Potsdam Datum, Scientific Report 1, Contract AF 19(604)-2849, 52 pp. September   |
|             | 39   | Cox, Doak C., 1963, The Supply and Utilization of Information in the Tsunami Warning System of Hawaii, Hawaii Inst. Geophys. Report, 12 pp. July   |
|             | 40   | Sadler, J.C., 1963, TIROS Observations of the Summer Circulation and Weather Patterns of the Eastern North Pacific, Scientific Report 5, Contract AF 19(604)-6156, 47 pp. October  |
|             | 41   | Moberly, Ralph, Jr., 1963, Coastal Geology of Hawaii, Final Report, Hawaii State Dept. of Planning and Economic Development Contract 6031, 216 pp., 94 figs. November  |
|             | 42   | Laevastu, Taivo, 1963, Evaluation of the Sea (Draft Manuscript), unpagged. November  |
|             | 43   | Cox, Doak C., 1963, Investigations of Tsunami Hydrodynamics, First Annual Report, ONR Contract Nonr-3748(03), 15 pp. October   |
|             | 44   | Johnson, Rockne H., 1963, SOFAR Velocities in the North Pacific, Technical Summary Report 5, ONR Contract Nonr-3748(01), 16 pp. November   |
| <b>1964</b> |      |  |
|             | 64-1 | Laevastu, Taivo, Don E. Avery, and Doak C. Cox, 1964, Coastal Currents and Sewage Disposal in the Hawaiian Islands, Final Report, Hawaii State Dept. of Planning and Research, 101 pp., 42 figs. June. Re-issued: September 1969. Third printing: January 1973   |
|             | 64-2 | Moberly, Ralph, Jr., and Theodore Chamberlain, 1964, Hawaiian Beach Systems, Final Report, Hi. State Dept. of Transportation Contract 6496, 95 pp., 104 figs., 33 tables + separately bound Appens. A & B, 4 pp., 197 figs., 102 tables. May. Revised and re-issued: Jan 1968. Third printing: Jan 1972. Appens. re-issued: Dec 1973 |
|             | 64-3 | Laevastu, Taivo, and K. Inouye, 1964, Sea-Air Temperature Relations, Partial Report, NSF Grants GE-449 and GP-353, 16 pp., 12 figs. May  |
|             | 64-4 | Johnson, Rockne H., and Roger Norris, 1964, SOFAR Velocity Chart of the Pacific Ocean,   |

|             |  |   |
|-------------|--|---|
|             |  | Technical Summary Report 6, ONR Contract Nonr-3748(01), 12 pp. May  |
| 64-5        |  | Taylor, Ronald C., 1964, The Utilization of TIROS Pictures to Some Selected Studies of Tropical Meteorology, Final Report, Contract AF 19(604)-6156, 12 pp. April   |
| 64-6        |  | Yee, Walter S, 1964, MULREG, a General Multiple Regression Program for the IBM 7040, Computing Center, 31 pp June   |
| 64-7        |  | Estoque, Mariano A, 1964, Tropical Cyclone Studies, Final Scientific Report, NSF Grant G-14770, 91 pp June  |
| 64-8        |  | Woollard, George P, 1964, The Role of Gravimeter Observations in the Establishment of Gravity Standardization Values, Scientific Report 2, Contract AF 19(628)-2849, 34 pp, 4 figs June   |
| 64-9        |  | Woollard, George P, 1964, An Analysis of the Reliability of Gravimeter Measurements, Scientific Report 3, Contract AF 19(628)-2849, 18 pp, 8 figs June  |
| 64-10       |  | Walker, James L, 1964, Pedogenesis of Some Highly Ferruginous Formations in Hawaii, PhD dissertation, 406 pp June   |
| 64-11       |  | Weinberg, JL, 1964, Summary Report on Zodiacal Light, Report to NASA, Grant NsG-676, 18 pp July   |
| 64-12       |  | Strange, WE, and GP Woollard, 1964, Anomaly Selection for Deflection Interpolation, Part I, Final Report, Contract AF 23(601)-4009, 91 pp July  |
| 64-13       |  | Strange, WE, and GP Woollard, 1964, Anomaly Selection for Deflection Interpolation, Part II, Final Report, Contract AF 23(601)-4009, 36 pp, + Appen, 28 pp July   |
| 64-14       |  | Adams, Carl W, 1964, Monthly Mean Resultant Winds at 50 Millibars Over the Pacific 1956-1960, Final Report, Part 1, Contract N123(61756) 32495A (PMR), 60 pp August   |
| 64-15       |  | Cox Doak C, 1964, Tsunami Forecasting, Technical Report, ONR Contract Nonr-3748(03), 22 pp August   |
| 64-16       |  | Roach, FE, WR Steiger and WE Brown, 1964, A Summary of One Year of Observations of 6300A Airglow at Haleakala, Technical Report to NASA, Grant NsG-135-61, 27 pp, 36 figs, 8 tables September   |
| 64-17       |  | Strange, WE, and GP Woollard, 1964, The Use of Geologic and Geophysical Parameters in the Evaluation, Interpolation, and Prediction of Gravity, Final Report, Part 1, USAF Contract AF 23(601)-3879 (Phase 1), var pp November Re-issued: August 1969 |
| 64-18       |  | Strange, WE, and GP Woollard, 1964, The Prediction of Gravity in the United States Utilizing Geologic and Geophysical Parameters, Final Report, Part 2, USAF Contract AF 23(601)-3879 (Phase II), var pp November Re-issued: December 1969            |
| 64-19       |  | Chiu, Wan-Cheng, and Mariano A Estoque, 1964, Some Selected Studies of the Atmospheric Boundary Layer, Final Report, Contract AF 19(604)-7484, 21 pp, 6 figs September  |
| 64-20       |  | Adams, Wm Mansfield, 1964, A Seismic Refraction Study of the Koolau Plug, NSF Grants GP-2257 and GP-3473, 18 pp December  |
| 64-21       |  | Walker, Daniel A, 1964, A Study of the Northwestern Pacific Upper Mantle, NSF Grant GP-3473, 28 pp December   |
| 64-22       |  | Adams, Wm Mansfield, 1964, Estimating the Spacial Dependence of the Transfer Function of a Continuum, NSF Grant GP-3473, 13 pp December   |
| 64-23       |  | Johnson, Rockne H, 1964, Earthquakes Located by T Phases During the VELA UNIFORM Aleutian Islands Experiment, 1964, Technical Summary Report 7, ONR Contract Nonr-3748(01), 11 pp, 4 figs, 3 tables December  |
| 64-24       |  | Adams, Carl W, 1964, Monthly Climatology Means of Selected Stations of the Central Pacific 1956-1959, Final Report, Part II, Contract N123(61756)-32495A (PMR), 201 pp December   |
| <b>1965</b> |  |   |
| 65-1        |  | Adams, Wm Mansfield, 1965, A Comparison of Some Machine Produced Indexes, NSF Grant N-1272 GN-95, 46 pp January   |
| 65-2        |  | Malahoff, A, 1965, Gravity and Geological Studies of an Ultramafic Mass in New Zealand, 20 pp, 7 figs February  |
| 65-3        |  | Shiroma, Michio, and James C Sadler, 1965, TIROS Observations of Typhoon Formation, Scientific Report 1, Contract AF 19(628)-3860, 59 pp January  |
| 65-4        |  | [Withdrawn]   |
| 65-5        |  | Johnson, Rockne H, 1965, A Program for Routine Location of T-Phase Sources in the Pacific, ONR Contract Nonr-3748(01), 17 pp, 8 figs March  |
| 65-6        |  | Chamberlain, Theodore, 1965, Nearshore Oceanographic Investigations: Cable Route Surveys, Nohili Point, Kauai, Applied Oceanog Series 1, 27 pp, 4 figs, 4 plates March  |
| 65-7        |  | Groves, Gordon W, and Harold G Loomis, 1965, A Description of the FESTSA System, ONR Contract Nonr-3748(03), 46 pp March  |

|             |  |
|-------------|--|
| 65-8        | Loomis, Harold G, 1965, Spectral Analysis of Tsunami Records from Stations in the Hawaiian Islands, ONR Contract Nonr-3748(03), 10 pp, 19 figs June  |
| 65-9        | Belshe, John C, 1965, Oceanographic Studies in the Kaulakahi Channel Between Niihau and Kauai, Hawaii, Applied Oceanog Series 2, 45 pp, 7 figs, 1 map (in pocket) May  |
| 65-10       | Furumoto, Augustine S, 1965, Seismicity of Hawaii, NSF Grant GP-3473, 20 pp April  |
| 65-11       | Malahoff, Alexander, and GP Woollard, 1965, Magnetic Surveys Over the Hawaiian Ridge, NSF Grant GP-2256, 64 pp incl 2 Appens, 39 figs June Re-issued: August 1969  |
| 65-12       | Adams, Wm Mansfield, 1965, The Preference of Seismologists for the KWIC Index, NSF Grant GN-95 to the Seismol Soc Amer, 33 pp July   |
| 65-13       | Vitousek, MJ, 1965, An Evaluation of the Vibrotron Pressure Transducer as a Mid-Ocean Tsunami Gage, ONR Contract Nonr-3748(03), 12 pp, 7 figs August   |
| 65-14       | Estoque, MA, 1965, An Approximation to Boundary Layer Wind Profiles, USERDA Grant DA-AMC-28043-64-G-2 and NSF Grant GF-168, 14 pp November   |
| 64-15       | Pararas-Carayan, George, 1965, The Bathymetry of the Hawaiian Islands, Part I, Oahu, ONR Contract Nonr-3748(03), 13 pp, 11 charts December   |
| 65-16       | Pararas-Carayan, George, and James Sasser, 1965, Earthquake Epicenter Determination Using t Data *, ONR Contracts Nonr-3748(03), and Nonr3748(01), and the State of Hawaii, 14 pp + Appen December   |
| 65-17       | Pararas-Carayan, George, and Augustine S Furumoto, 1965, Source Mechanism Study of the Alaska Earthquake and Tsunami of 27 March 1964, Part I, Water Waves; Part II, Analysis of Rayleigh Waves, NSF Grant GF-153, and ONR Contract Nonr-3748(03), 42 pp, 15 figs December |
| <b>1966</b> |  |
| 66-1        | [Withdrawn]  |
| 66-2        | Gilmartin, Malvern, 1966, On the Storage of Sea-Water Samples for the Determination of Dissolved Inorganic Phosphate, Inter-American Trop Tuna Comm, Scripps Inst Oceanog, 32 pp January   |
| 66-3        | Wyrтки, Klaus, 1966, Seasonal Variation of Heat Exchange and Surface Temperature in the North Pacific Ocean, NSF Grant GP-5534, 8 pp, 72 figs February Re-issued: December 1973  |
| 66-4        | Johnson, Rockne H, and Roger A Norris, 1966, T-Phase Radiators in the Western Aleutians, ONR Contract Nonr-3748(01), 14 pp, 7 figs March   |
| 66-5        | Lavoie, Ronald L, 1966, The Warm Rain Project in Hilo, Hawaii, Summer 1965, Final Scientific Report, NSF Grant GF-192, 52 pp April   |
| 66-6        | Slaucitajs, L, 1966, Periodicities in Geomagnetic Secular Variation at Honolulu, Hawaii Inst Geophys Report, II pp June  |
| 66-7        | Loomis, HG, 1966, Some Numerical Hydrodynamics for Hilo Harbor, ONR Contract Nonr-3748(03), 24 pp July   |
| 66-8        | Sokolowski, TJ, and GR Miller, 1966, Automatic Epicenter Locations from a Quadripartite Array, ESSA Inst Oceanog, 13pp July  |
| 66-9        | Adams, Wm Mansfield, 1966, Possible Improvement of the Seismic Sea-Wave Warning System Indicated by Considering It a Decision-Making Process, State of Hawaii, 29 pp July  |
| 66-10       | Holsten, William G, and Gordon W Groves, 1966, A System of Macro Programs for Time Series Analysis, NSF Grant GP-4254, var pp July   |
| 66-12       | Gordon, AH, and RC Taylor, 1966, Lagrangian Dynamics and Low Latitude Weather, NSF Grant GA-386 and AFCRL OAR Contract AF 19(628)-3860, 32 pp August   |
| 66-13       | Kakugawa, Hitoye M, and Carl W Adams, 1966, Mean Wind Profiles 1956-1959, Hawaii and the Central Pacific, Final Report, Part III, Contract PMR N123(61756)3249A, 99 pp, 3 Appens August  |
| 66-14       | Kroenke, LW, and GP Woollard, 1966, Seismic Reflection Investigations in the Vicinity of the Hawaiian Ridge, ONR Contract Nonr-3748(05), 24 pp + Appen August  |
| 66-15       | Gilmartin, Malvern, 1966, An Introduction to Oceanographic Literature, Hawaii Inst Geophys Report, 33 pp September   |
| 66-16       | Wagner, Norman K, Gaishi Onishi, and Edwin T Tanouye, 1966, Theoretical Studies of the Atmospheric Boundary Layer, Final Report, USAERDA Grant DA-AMC-28-043-64-G-2, 173 pp August   |
| 66-17       | Miyata, Motoyasu, and Gordon W Groves, 1966, The Data Tape System and Contents of Data Tape 2, Data Report 2, NSF Grant GP-4254, 33 pp October [Supplement: see HIG-73-1)  |
| 66-18       | Sakou, Toshitsugu, and Stanley Kubota, 1966, An Incremental Wave-Gage with Digital Magnetic Tape Recording, Final Report, NSF Grant GP-3088, 25 pp October   |
| 66-19       | Williams John A, and Krishna Kartha, 1966, Model Studies of Long Wave Amplification by   |



|             |       |  |
|-------------|-------|--|
|             |       | Circular Islands and Submarine Seamounts, Final Report, ONR Contract Nonr-3748(03), 46 pp November   |
|             | 66-20 | Woollard, GP, et al, 1966, Principal Facts for Gravity Observations in the Hawaiian Archipelago, Johnston Island, American Samoa, and Society Islands, US Geol Surv and Hawaii Inst Geophys Report, Data Report 3, 5 pp, 10 tables November Re-issued: December 1973 |
|             | 66-21 | Mapanao, Leo, MA Estoque, and Gaishi Onishi, 1966, Studies on the Hurricane Boundary Layer and Penetrative Convection, Final Report, NSF Grant GF-168, 113 pp October  |
|             | 66-22 | Estoque, MA, 1966, Relationship Between the Tangential Wind Field and the Transverse Circulations of Tropical Cyclones, Final Scientific Report, USWB Grant-66, 12 pp, 31 figs October   |
| <b>1967</b> |       |  |
|             | 67-1  | Johnson, Rockne H, Roger A Norris, and Frederick K Duennebie, 1967, Abyssally Generated T Phases, ONR Contract Nonr-3748(01), 11 pp January  |
|             | 67-2  | Groves, Gordon W, 1967, Numerical Timestepping Laplace's Equations of the Free Tide, NSF Grant GP-4254, 17 pp, 4 figs February   |
|             | 67-3  | Woollard, George P, et al, 1967, Cruise Report on 1966 Seismic Refraction Expedition to the Solomon Sea, ONR Contract Nonr-3748(05), Project NR 083 603, 31 pp, 17 figs February   |
|             | 67-4  | Groves, Gordon W, and Robert R Harvey, 1967, Representation of Nearshore Distortion of Tsunamis by Bilinear Operators, ONR Contract Nonr-3748(03), and ESSA Contract C-226-66(G), 23 pp, 5 figs March  |
|             | 67-5  | Belshe, John C, 1967, Seasonal Measurement of Oceanographic Parameters in the Kaulakahi Channel, Hawaii, Applied Oceanog Series 3, 86 pp May   |
|             | 67-6  | Miyata, Motoyasu, and Gordon W Groves, 1967, The Data Tape System and Contents of Data Tapes 3 and 4, Data Report 4, NSF Grant GP-4254, 39 pp March [Supplement: See HIG-73-1]   |
|             | 67-7  | Johnson, Rockne H, and Roger A Norris, 1967, Geographic Variation of Sofar Speed and Axis Depth in the Pacific, Hawaii Inst Geophys Report, 10 pp + Appen April  |
|             | 67-8  | Belshe, John C, 1967, Sea-Floor Studies in the Kaulakahi Channel, Hawaii, Applied Oceanog Series 4 (research supported by ITT Federal Laboratories, New Jersey), 36 pp + Appen June  |
|             | 67-9  | Worthley, LE, and CBH Lee, 1967, Weather Phenomena in Hawaii: Part I, Synoptic Climatology of Hawaii [Worthley], Part II, A Preliminary Study of Thunderstorms in Hawaii [Lee], Final Report, USWB Contract CWB 11373, 53 pp, 43 figs June Re-issued: December 1969  |
|             | 67-10 | Iida, Kumizi, Doak C Cox, and George Pararas-Carayan, 1967, Preliminary Catalog of Tsunamis Occurring in the Pacific Ocean, Data Report 5, ONR Contract Nonr-3748(03) and State of Hawaii, 131 sheets, unpagged August Re-issued: February 1972                      |
|             | 67-11 | Vitousek, Martin J, and Gaylord R Miller, 1967, Low-Frequency Wave Study in the Meso-Deep Ocean, Final Report, Suppl Program AEC Contract AT (26-1)-235, 6 pp, 10 figs July  |
|             | 67-12 | Sadler, James E, 1967, The Tropical Upper Tropospheric Trough as a Secondary Source of Typhoons and a Primary Source of Tradewind Disturbances, Final Report, AFCRL Contract AF 19(628)-3860, 44 pp March  |
|             | 67-13 | Weinberg, JL, 1967, Summary Report II on Zodiacal Light, July 1967, NASA Contract NSG-676, 26 pp July  |
|             | 67-14 | Miller, Forrest R, and Charmian Jefferies, 1967, Mean Monthly Sea Surface Temperatures of the Indian Ocean During the International Indian Ocean Expedition, IIOE Meteor Program Report 2, NSF Grant GA-386, 6 pp, 25 figs, 1 table July                             |
|             | 67-15 | Wyrski, Klaus, et al [RC Latham and W Patzert], 1967, Oceanographic Observations During 1965-1967 in the Hawaiian Archipelago, ONR Contract Nonr-3748(06), 152 pp, 131 figs August Re-issued: November 1973  |
|             | 67-16 | Butler, James P, 1967, Double-Humped Waves on a Sloping Beach, ESSA-JTRE Report ESSA-JTRE-2, 28 pp August  |
|             | 67-17 | Wyrski, Klaus, 1967, Oceanographic Observations During the Line Islands Expedition, February-March 1967, ONR Contract Nonr-3748(06), 35 pp August  |
|             | 67-18 | Belshe, John C, 1967, Tables of Velocity of Sound Depth Corrections for Echo-Sounding in the Hawaiian Waters, Applied Oceanog Series 5, 10 pp, 10 tables September   |
|             | 67-19 | Zipser, Edward J, and Ronald C Taylor, 1968, A Catalogue of Meteorological Data Obtained During the Line Islands Experiment February-April 1967, NCAR Technical Notes NCAR-TN-35, 362 pp January   |
|             | 67-20 | Higuchi, Joyce, and Ethel McAfee, 1967, Codens for the Index to Tsunami Literature to 1966, Data Report 7, State of Hawaii, 79 pp November   |

|             |       |  |
|-------------|-------|--|
|             | 67-21 | Adams, Wm Mansfield, 1967, An Index to Tsunami Literature to 1966, Data Report 8, State of Hawaii, 119 sheets, unpagged November   |
|             | 67-22 | Norris, Roger A, and Rockne H Johnson, 1967, Submarine Volcanic Eruptions Recently Located in the Pacific by Sofar Hydrophones, ONR Contract Nonr-3748(01), 16 pp, 18 figs November  |
|             | 67-23 | Adams, Wm Mansfield, 1967, Progress in Tsunami Research at the University of Hawaii, State of Hawaii, 21 pp November   |
|             | 67-24 | Duennebier, Frederick K, and Rockne H Johnson, 1967, T-Phase Sources and Earthquake Epicenters in the Pacific Basin, ONR Contract Nonr-3748(01), 17 pp + Appen, 83 pp December   |
|             | 67-25 | Iida, Kumizi, Doak C Cox, and George Pararas-Carayan, 1967, Bibliography to the Preliminary Catalog of Tsunamis Occuring in the Pacific Ocean, Data Report 6, Int'l Tsunami Information Center, State of Hawaii, and ONR Contract Nonr-3748(03), 27 pp December Re-issued: August 1972 |
| <b>1968</b> |       |  |
|             | 68-1  | Khan, MA, and G P Woollard, 1968, A Review of the Perturbation Theory as Applied to the Determination of Geopotential, Hawaii Inst Geophys Report, 45 pp, 18 figs January  |
|             | 68-2  | Cox, Doak C, 1968, Performance of the Seismic Sea Wave Warning System, 1948-1967, State of Hawaii, 69 pp, 3 figs March   |
|             | 68-3  | Vitousek, MJ, 1968, A High Resolution Telephone Telemetry System for the Tsunami Warning System, State of Hawaii, 6 pp, 9 figs March   |
|             | 68-4  | Kroenke, Loren W, and George P Woollard, 1968, Magnetic Investigations in the Labrador and Scotia Seas, USNS ELTANIN Cruises 1-10, 1962-1963, Final Report, NSF Grant NSF-G-19611 to the Univ of Wisconsin, Madison, 59 pp, 23 figs + Appen, unpagged June                             |
|             | 68-5  | Worthley, LE, 1968, Forecasting Cold Front Passage Within 24 Hours of Map Time in Hawaii, ESSA Weather Bureau Contract E-189-67, 19 pp May   |
|             | 68-6  | Walker, Daniel A, 1968, Seismological Bulletin Northwestern Pacific Islands Stations, 1966-1967, Data Report 9, NSF Grants GP-3473 and GA 1255, 9 pp May   |
|             | 68-7  | Belshe, John C, 1968, Ocean Sediments Sampled During 1964-1967 in the Hawaiian Archipelago, Applied Oceanog Series 6, 52 pp May  |
|             | 68-8  | Graefe, Volker, 1968, Digital Processing of Depth-Temperature-Salinity Data, Hawaii Inst Geophys Report, 34 pp June  |
|             | 68-9  | Woollard, GP (Compiler), 1968, A Catalogue of Earthquakes in the United State Prior to 1925, Data Report 10, Hawaii Inst Geophys Report, 164 sheets, unpagged June   |
|             | 68-10 | Khan, Mohammed A, 1968, On the Equilibrium Figure of the Earth, NASA Grant HGR 12-001-045, 39 pp September   |
|             | 68-11 | Ekern, PC, and LE(Compilers) Worthley, 1968, Annotated Bibliography of Publications and Papers Relevant to Hawaiian Weather, Data Report 11, Final Report, Systems Development Office, ESSA Contract E-189-67, 126 pp July   |
|             | 68-12 | El-Swaify, SA, LD Swindale, and G Uehara, 1968, Salinity Tolerances of Certain Tropical Soils and Relationships Between Sodium Ion Activities and Soil Physical Properties, Final Report, Office of Saline Water Grant 14-01-0001-673, 49 pp October                                   |
|             | 68-13 | Worthley, LE, 1968, Rainfall Patterns in Hawaii Associated with Upper Level Cyclones, Part II, Final Report, Systems Development Office, ESSA Contract E-189-67, 11 pp, 39 figs August   |
|             | 68-14 | Groves, Gordon W, and Niels Christensen, 1968, Spectral Decomposition of Numerically Generated Planetary Seiches, NSF Grants-GP-4254 and GA-1117, 13 pp, 29 figs August  |
|             | 68-15 | Adams, Wm Mansfield, 1968, Potential Tsunami Inundation Zones for the Islands of Molokai and Lanai, Hawaiian Islands, State of Hawaii, 13 pp, 26 figs August   |
|             | 68-16 | Sadler, James C, et al [Walter R Brett, Barry E Harris, and Francis P Ho], 1968, Forecasting Minimum Cloudiness Over the Red River Delta During the Summer Monsoon, Scientific Report 1, AFCRL Contract AF 19628-67C-0232, 104 pp September  |
|             | 68-17 | Khan, Mohammad A, and GP Woollard, 1968, Methods of Analysis and Comparison of Geophysical Data on a Plane, with Specific Application to the Solomon Islands Area, NASA Grant NGR 12-001045, 79 pp, 18 figs + Appen Tables 1-21 September  |
|             | 68-18 | Khan, Mohammad A, 1968, Development of a Dynamic Method for Determining the Terrestrial Gravity Field from Satellite Data, Final Report, NASA Grant NGR-12-001-036, 50 pp September  |
|             | 68-19 | Laurila, Simo H, 1968, Refraction Effect in Satellite Tracking, NASA Grant NGR-12-001-045, 44 pp September   |
|             | 68-20 | Hirvonen, RA, 1968, Adjustment of Satellite Triangulations, NASA Grant NGR-12-001-045,   |

|             |       |   |
|-------------|-------|---|
|             |       | 21 pp September Revised: June 1970  |
|             | 68-21 | Miyata, Motoyasu, and Gordon W Groves, 1968, The Data Tape System and Contents of Data Tapes 5 and 6, Data Report 12, NSF Grant GP-1117, 75 pp September [Supplement: See HIG-73-1]   |
|             | 68-22 | Duennebie, Frederick K, 1968, Spectral Variation of the T Phase, ONR Contract Nonr-3748(01), 18 pp, 11 figs December  |
|             | 68-23 | Adams, WM, and A Malahoff, 1968, Evaluation of Some Geophysical Techniques Applied to the Environment of a Maui Well, Hawaii Inst of Geophys Report, 29 pp + 3 Appens November  |
| <b>1969</b> |       |   |
|             | 69-1  | Duing, Walter, 1969, Recording Internal Waves with a Pycnocline Follower, Final Report, NSF Grant GA-1256, 36 pp January  |
|             | 69-2  | Resig, Johanna M, 1969, Paleontological Investigations of Deep Borings on the Ewa Plain, Oahu, Hawaii, NSF Grant GP-3545, 99 pp, 9 plates March   |
|             | 69-3  | Danielsen, Edwin F, and Francis P Ho, 1969, An Isentropic Trajectory Study of a Strong Northeast Monsoon Surge, Scientific Report 2, AFCRL Contract F19628-67-C-0232, 13 pp, 22 figs January  |
|             | 69-4  | Harris, Barry E, and Francis P Ho, 1969, Structure of the Troposphere Over Southeast Asia During the Summer Monsoon Month of July, Scientific Report 3, AFCRL Contract F19628-67-C-0232, 11 pp, 4 tables, 11 figs February  |
|             | 69-5  | Laurila, SH, S Mathur, and L Li, 1969, Fortran Programs for Transformation Between Rectangular and Geographic Map Coordinates, Hawaii Inst Geophys Report, 31 pp June   |
|             | 69-6  | Mathur, Surendra P, 1969, Standardization of Gravity and Bouguer Anomalies in India, Hawaii Inst Geophys Report, 46 pp + Appen June   |
|             | 69-7  | Harris, Barry E, et al [James C Sadler, Walter R Brett, Francis P Ho, and Gordon Ing], 1969, Role of the Synoptic Scale on Convection Over Southeast Asia During the Summer Monsoon, Final Report, AFCRL Contract F19628-67-C-0232, 23 pp, 39 figs May                                      |
|             | 69-8  | Patzert, William C, 1969, Eddies in Hawaiian Waters, ONR Contract Nonr-3748(06), 51 pp + Appen Table 1, Figs 1 through 71 April Re-issued: March 1970   |
|             | 69-9  | Adams, Wm Mansfield, 1969, Prediction of Tsunami Inundation from Existing Real-Time Seismic Data, State of Hawaii, 57 pp May  |
|             | 69-10 | Moberly, Ralph Jr, and J Frisbee Campbell, 1969, Hawaiian Shallow Marine Sand Inventory, Part I Introduction; and Part 2 Ahu o Laka Sand Deposit, Kaneohe Bay, Oahu, NSF Sea Grant Program Grant GH-28, SEAGRANT Report 69-1, 24 pp, 13 figs, 2 plates June Reissued: August 1972           |
|             | 69-11 | Woollard, George P, Richard C Latham, and Romondt Budd, 1969, Oceanographic Parameters for Acoustical Determination Between Latitudes 22°N and 30°N Along the 157°50' West Meridian, ONR Contract N00014-67-A-0387-0004AA, 20 pp + Appens A and B September                                 |
|             | 69-12 | Woollard, GP, 1969, Part 1 A Regional Analysis of Crustal Structure in North America, 55 pp, 21 figs, and Part 2 A Study of the Problems Associated with the Prediction of Gravity in Europe, 45 pp, 30 figs, Final Report, ACIC Contract F2360168-C-0186 June Re-issued: August 1972       |
|             | 69-13 | Woollard, GP, L Machesky, and J Monges Caldera, 1969, A Regional Gravity Survey of Northern Mexico and the Relation of Bouguer Anomalies to Regional Geology and Elevation in Mexico, Final Report, Part 1, Army Topographic Command Contract DACA 71-67-C-0010, 53 pp + Attachm 23 pp July |
|             | 69-14 | Malahoff, Alexander, and GP Woollard, 1969, The New Hebrides Islands Gravity Network, Final Report, Part 1, Army Topographic Command, Contract DACA 71-67-C-0080, and with the cooperation of the New Hebrides Geological Survey, 26 pp, 25 figs August                                     |
|             | 69-15 | Wyrтки, Klaus, Volker Graefe, and William Patzert, 1969, Current Observations in the Hawaiian Archipelago, ONR Contract Nonr-3748(06), 97 pp July Re-issued: April 1971, June 1981  |
|             | 69-16 | Ho, Francis P, and Lynn A Sherretz, 1969, A Preliminary Study of Ocean Waves in the Hawaiian Area, NSF Sea Grant Program Grant GH-28, and ESSA Contract E-106-69(N), Report SEAGRANT 69-2, 36 pp August Re-issued: August 1972  |
|             | 69-17 | Woollard, GP, M Manghnani, and SP Mathur, 1969, Gravity Measurements in India, Final Report, Part 2, Army Topographic Command Contract DACA 71-67-C-0080, 52 pp, 13 figs + Appen August   |
|             | 69-18 | Odegard, Mark E, et al [Nelson J Le Tourneau, Norman Mark, and Tai H Kwon], 1969, Ocean-Bottom Seismographic Station (OBS) Catalogue of Events for the Period 1 Feb 1967 to 31 Jan 1968, Data Report 13, AFCRL Contract F19628-68-C-0083, 46 pp, 3 figs September                           |

|             |       |  |
|-------------|-------|--|
|             | 69-19 | Klim, Donald G, 1969, Interactions Between Sea Water and Coral Reefs in Kaneohe Bay, Oahu, Hawaii, Hawaii Inst Geophys Report, 56 pp September   |
|             | 69-20 | Gallagher, Brent, 1969, An Instrument for Measuring Low Intensity Turbulence in the Ocean, NSF Grant GA-1243, 29 pp September  |
|             | 69-21 | Mathewson, Christopher C, 1969, Bathymetry of the North Insular Shelf of Molokai Island, Hawaii, from Surveys by the USC&GSS MC ARTHUR, Data Report 14, Hawaii Inst Geophys and ESSA Report, 9 pp, 5 figs, 1 map (in pocket) September           |
|             | 69-22 | Woollard, GP, LF Machesky, and RL Longfield, 1969, Results for a Series of North-South Gravity Control Traverses in the United States, Final Report, Part 3, Army Topographic Command Contract DACA 71-67-C-0080, 17 pp, 1 table + Appen October |
|             | 69-23 | Murakami, Takio, 1969, Initial Adjustment of Data in the Tropics, ESSA Weather Bureau Contract E-106-69(N), 54 pp December   |
|             | 69-24 | Ramage, CS, 1969, Hawaiian Weather Forecast Studies, Final Report, ESSA Weather Bureau Contract E-106-69(N), 10 pp December  |
| <b>1970</b> |       |  |
|             | 70-1  | Shaw, Richard Paul, 1970, An Integral Equation Approach to Diffusion Problems, ESSA and JTRE Report, 29 pp + Appen January   |
|             | 70-2  | Berg, Eduard, et al [DC Cox and A Furumoto], 1970, Field Survey of the Tsunamis of 28 March 1964, Earthquake in Alaska, and Conclusions as to the Origin of the Major Tsunami, Hawaii Inst Geophys Report, 53 pp, 19 figs + Appen January        |
|             | 70-3  | Sutton, George H, and Daniel A Walker, 1970, Seismological Bulletin Northwestern Pacific Islands Stations 1967-1968, Data Report 15, NSF Grants GA-1255 and GA-12851, 22 pp January  |
|             | 70-4  | Woollard, GP, 1970, Semi-Annual Progress Report, July 1 - December 31, 1969, Project NR 083 603, ONR Contract N00014-70-A-0016-0001, 49 pp, 24 figs January Re-issued: January 1972  |
|             | 70-5  | Wyrтки, Klaus, 1970, Flights with Airborne Radiation Thermometers in Hawaiian Waters, ONR Contract Nonr-3748(06), 27 pp February   |
|             | 70-6  | Bathen, Karl H, 1970, Heat Storage and Advection in the North Pacific Ocean, NSF Grant GP-5534, 122 pp, 55 figs June   |
|             | 70-7  | Johnson, Rockne H, and Roger A Norris, 1970, T-Wave Generation Mechanisms, Final Report, ONR Contract Nonr-3748(01), 16 pp, 6 figs + Appens, 34 figs January   |
|             | 70-8  | Woollard, GP, 1970, The Geology of Antarctica, Hawaii Inst Geophys Report, 99 pp, 22 figs January  |
|             | 70-9  | Christenson, Niels, Jr, and Gordon W Groves, 1970, Toward Evaluation of Planetary Seiches by Numerical Techniques, NSF Grant GP-4254, 57 pp, 11 figs, 3 tables May   |
|             | 70-10 | Hammond, Stephen R, 1970, Paleomagnetic Investigations of Deep Borings on the Ewa Plain, Oahu, Hawaii, Hawaii Inst Geophys Report, 60 pp, May Re-issued: September 1973  |
|             | 70-11 | Smith, Stephen V, 1970, Calcium Carbonate Budget of the Southern California Continental Borderland, ONR Contract N00014-70-A-0016-0001, Project NR 083 603, 174 pp, 15 figs May  |
|             | 70-12 | Sutton, George H, et al [Mark E Odegard, Norman Mark, and Nelson J Le Tourneau], 1970, Research in Seismology Related to the Columbia Ocean Bottom Seismograph, Final Report, AFCRL Contract F19628-68-C-0083, 66 pp September                   |
|             | 70-13 | Groves, Gordon W, 1970, Use of Orthogonal Functions for the Analysis, Prediction and Study of the Tide, NSF Grant GA-1117 and GA-17137, 53 pp May  |
|             | 70-14 | Khan, Mohammad A, 1970, Internal Structure of the Earth from the Geogravity Field and Other Geophysical Data, Hawaii Inst Geophys Report, 52 pp, 14 figs July  |
|             | 70-15 | Roy, Kenneth, 1970, Change in Bathymetric Configuration, Kaneohe Bay, Oahu, 1882-1969, NSF Sea Grant Program Grant GH-28-1, SEAGRANT Report 70-6, 26 pp, 22 figs, 18 tables October  |
|             | 70-16 | Campbell, JF, et al [WT Coulbourn, R Moberly, and BR Rosendahl], 1970, Reconnaissance Sand Inventory: Off Leeward Oahu, NSF Sea Grant Program Grant GH-28, SEAGRANT Report 70-2, 14 pp, 30 figs June   |
|             | 70-17 | Bathen, Karl H, 1970, Seasonal Changes in the Heat Storage and Depth of the Mixed Layer in the North Pacific Ocean, NSF Grant GP-5534, 23 pp, 34 figs July   |
|             | 70-18 | Hubred, Gale Lee, 1970, Relationship of the Morphology and Transition Metal Content of Manganese Nodules to an Abyssal Hill, NSF Sea Grant Program Grants GH-28, GH-62, and GA-4083, SEAGRANT Report 70-5, 38 pp September                       |
|             | 70-19 | Woollard, GP, and KI Daugherty, 1970, Collection, Processing, and Geophysical Analysis of  |



|             |       |  |
|-------------|-------|--|
|             |       | Gravity and Magnetic Data: Gravity Gradients and the Sea-Floor Topography, Final Report, ACIC Contract F23601-69-C-0212, Volume 1, 253 pp, Volume 2, Appen, 195 figs (unpaged) September   |
|             | 70-20 | Sokolowski, TJ, 1970, Elastic Constants and Computer Programs for Calculating the Elastic Parameters of Materials Subjected to Modest Pressures or Temperatures, ESSA-JTRE Report, 159 pp September  |
|             | 70-21 | Carrier, GF, RP Shaw, and M Miyata, 1970, Response of Narrow-Mouthed Harbors with an Entrance Channel to Periodic Incident Waves, NOAA JTRE-36, 35 pp, 14 figs November  |
|             | 70-22 | Gordon, Donald C, Jr, 1970, Chemical and Biological Observations at Station Gollum, an Oceanic Station Near Hawaii, January 1969 to June 1970, Hawaii Inst Geophys Report, 44 pp + 2 Appens August   |
|             | 70-23 | Chave, KE, et al [BS Gallagher, FI Gonzalez, DC Gordon, JE Maragos, GL Shepherd, and SV Smith], 1970, Fanning Island Expedition, January 1970, Final Report, NSF Grants GA-10890 and GA-15581, 201 pp, 62 figs November  |
|             | 70-24 | Steinheilper, Frances Anne, 1970, Particulate Organic Matter in Kaneohe Bay, Oahu, Hawaii, Hawaii Inst Geophys Report, 53 pp, 11 figs December   |
|             | 70-25 | Andrews, JE, 1970, Sediment Core Descriptions: Solomon Islands, 1968-1969, and Murray Fracture Zone, 1967, Data Report 16, NSF Grants GA-13822 and GA-17879, and ONR Contract N00014-70-A-0016-0001, 288 pp October  |
|             | 70-26 | Sadler, James C, and Barry E Harris, 1970, The Mean Tropospheric Circulation and Cloudiness Over Southeast Asia and Neighboring Areas, Scientific Report 1, AFCRL Contract F19628-69-C-0156, 38 pp August  |
|             | 70-27 | Woollard, G P, et al [Klaus Wyrtki, GH Sutton, and Keith Chave], 1970, Annual Progress Report, Contract N00014-70-A-0016-0001, January 1, 1970 - July 31, 1970, ONR Contract N00014-70-A-0016-0001, 76 pp, 21 figs December  |
|             | 70-28 | Han-Shun-Cheong, KS, 1970, Rainfall Over Oahu and Location of 300 MB Trough During Trade Wind Regime, NOAA Contract E-140-70(N), 14 pp, 26 figs October  |
|             | 70-29 | Graefe, Volker, 1970, Development of an Instrument for Measuring the Concentration of Dissolved Oxygen in Sea Water in situ, Final Report, NSF Grant GA-779, 20 pp, 9 figs November  |
|             | 70-30 | Manghnani, Murli H, 1970, Elastic Parameters and Infrared Characteristics of Glasses Under High Pressures and Temperatures, Final Report, ONR Contract N00014-67-A-0387-0005, Project NR 032 515, 38 pp, 35 figs, 13 tables + Appen November                                   |
|             | 70-31 | Patzert, William C, Klaus Wyrtki, and Howard J Santamore, 1970, Current Measurements in the Central North Pacific Ocean, ONR Contracts Nonr-3748(06) and N00014-70-A-0016-0001, 26 pp + Appen November   |
|             | 70-32 | Loomis, Harold G, 1970, A Method of Setting Up the Eigenvalue Problem for the Linear, Shallow Water-Wave Equation for Irregular Bodies of Water with Variable Water Depth and Application to Bays and Harbors in Hawaii, NOAA-JTRE Report NOAA-JTRE-16, 9 pp, 38 figs December |
| <b>1971</b> |       |  |
|             | 71-1  | Khan, Mohammad A, 1971, Theory for the Comparison of Two Functions, Hawaii Inst Geophys Report, 17 pp, 13 figs May   |
|             | 71-2  | Rose, JC, and RW Tracy, 1971, Gravity Results in the Solomon Islands Region, Aboard HMS DAMPIER in 1965, Data Report 17, NSF Grant GP-3571, 2 pp + 2 Appens, 9 maps (in pocket) January Re-issued: February 1972   |
|             | 71-3  | Tracy, Ronald W, 1971, Gravity Results Obtained Between Hawaii and California, Aboard the R/V MAHI in 1969, Data Report 18, NSF Grant GA-15792, 2 pp + 2 Appens, 4 maps (in pocket) February Re-issued: January 1972   |
|             | 71-4  | McCreery, Charles S, 1971, Seismological Bulletin Northwestern Pacific Islands Stations 1969, Data Report 19, NSF Grants GA-1255 and GA-12851, 45 pp February  |
|             | 71-5  | Le Tourneau, Nelson J, and Rodolfo Piermattei, 1971, Preliminary Seismological Bulletin Easter Island Station, March 1970 - October 1970, Data Report 20, NSF Grant GA-12851, 26 pp February   |
|             | 71-6  | Burnett, William C, 1971, Trace Element Variations in Some Central Pacific and Hawaiian Sediments, NSF Grant GA-13822, and ONR Contract N00014-70-A-0016-0001, 112 pp May Re-issued: June 1971   |
|             | 71-7  | Gonzalez, Frank I, Jr, 1971, Descriptive Study of the Physical Oceanography of the Ala Wai Canal, Hawaii Inst Geophys Report, 98 pp, 34 figs May Re-issued: December 1971  |
|             | 71-8  | Williams, John A, 1971, Run-up of a Double-Humped Wave Impinging on a Plane, Sloping   |

|             |       |  |
|-------------|-------|--|
|             |       | Beach, NOAA-JTRE Report NOAA-JTRE-55, 18 pp, 8 figs + Appen May  |
|             | 71-10 | Wilcox, Luman E, 1971, An Investigation of Areal Gravity-Elevation Relations Using Covariance and Empirical Techniques, Hawaii Inst Geophys Report, 118 pp August  |
|             | 71-11 | Latham, RC, Romondt Budd, and RG Zachariadis, 1971, Oceanographic Observations for Acoustical Determination in the Pacific Ocean North of Hawaii, May 1969 through October 1969, ONR Contract N00014-67-A-0387 0004AA, 47 pp incl Appens A through H August Re-issued: September 1973  |
|             | 71-12 | Latham, Richard C, 1971, Environmental Oceanographic Observations in the Pacific Ocean North of Hawaii, 15 November to 5 December, 1969, ONR Contract N00014-67-A-0387-004AC, 7 pp, 16 figs + 2 Appens August  |
|             | 71-13 | Latham, Richard C, and GP Woollard, 1971, Processing of Aircraft Expendable Bathythermograph Data, Final Report, ONR Contract N00014-67-A-0387-000+AC, 11 pp, 11 figs, 2 tables August   |
|             | 71-14 | Coulbourn, William T, 1971, Sedimentology of Kahana Bay, Oahu, Hawaii, National Sea Grant Program Grant GH-93, Report UNIH-SEA Grant-TR-71-03, 141 pp December   |
|             | 71-15 | Preisendorfer, Rudolph W, 1971, Recent Tsunami Theory, NOAA-JTRE Report NOAA-JTRE-60, 55 pp August   |
|             | 71-16 | Walker, Daniel A, 1971, Evidence of a Relation Between the Seismic Energy Released Along Spreading and Sinking Edges of the Nazca Plate, NSF Grant GA-12851, 3 pp, 3 figs, 1 table September   |
|             | 71-17 | Campbell, JF, et al [BR Rosendahl, WT Coulbourn, and R Moberly, Jr], 1971, Reconnaissance Sand Inventory: Off Leeward Molokai and Maui, National Sea Grant Program Grant 2-35-243, Report UNIH-SEA GRANT-TR-71-02, 8 pp, 43 figs, 3 tables October   |
|             | 71-18 | Beers, Larry Delano, 1971, The Earth's Gravity Field from a Combination of Satellite and Terrestrial Gravity Data, Hawaii Inst Geophys Report, 82 pp December  |
|             | 71-19 | Woollard, GP, et al [Klaus Wyrki, GH Sutton, and Keith Chave], 1971, Annual Progress Report, Contract N00014-70-A-0016-0001, Project NR 083 603, January 1, 1971 to December 31, 1971, ONR Contract N00014-70-A-0016-0001, 90 pp, 40 figs December   |
|             | 71-20 | Khan, Mohammad A, George P Woollard, and Kenneth I Daugherty, 1971, Statistical Analysis of the Relation of Marine Gravity Anomalies to Bathymetry, Final Report 1970-1971, ACIC Contract F23601-71-C-0100, 141 pp, 22 figs November   |
| <b>1972</b> |       |  |
|             | 72-2  | Walker, Daniel A, et al [George H Sutton, George P Woollard, and Nelson J Le Tourneau], 1972, Easter Island Seismograph Observations Indicative of Sea-Floor Spreading; Plate Edge Seismicity Relationships; and, the Prediction of Earthquakes Along the West Coast of the Western Hemisphere, NSF Grant GA-12851, 25 pp, 22 figs, 7 tables March |
|             | 72-3  | Klein, Douglas P, 1972, Geomagnetic Time-Variations, the Island Effect, and Electromagnetic Depth Sounding on Oceanic Islands: Results from the Analysis of Data Obtained in the Frequency Range of 05 to 10 cycles per hr on Oahu, Hawaii, NSF Grants GF-402, GA-1653, and GF-297, 96 pp May  |
|             | 72-5  | Kroenke, Loren W, 1972, Geology of the Ontong Java Plateau, ONR Contracts 3748(05) and N00014-70-A-0016-0001, Project NR 083 603, 119 pp + 8 charts (in pocket) May  |
|             | 72-7  | Harvey, Robert R, 1972, Oceanic Water Motions Derived from the Measurement of the Vertical Electric Field, NOAA-JTRE Report NOAA-JTRE-72, 81 pp + 3 Appens May   |
|             | 72-8  | Miller, Gaylord R, 1972, Relative Spectra of Tsunamis, NOAA-JTRE Report NOAA-JTRE-73, 7 pp May   |
|             | 72-9  | Christensen, Niels, Jr, 1972, Numerical Simulation of Free Oscillations of Enclosed Basins on a Rotating Earth, NSF Grants GA-1117, GP-4254, and GA-17137, 181 pp August   |
|             | 72-10 | Pesret, Francois, 1972, Kinetics of Carbonate-Seawater Interactions, ONR Contract N00014-70-A-0016-0001, Project NR 083 603, 49 pp + 3 Appens August Re-issued: January 1973   |
|             | 72-11 | Woollard, George P, and Mohammad A Khan, 1972, Prediction of Gravity in Ocean Areas, Final Report, ACIC Contract F23601-71-C-0187, 119 pp July   |
|             | 72-12 | Jubinski, Paul, 1972, Design Specifications for a Long-Range Swath-Mapping Sonar, ONR Contract N00014-67-A-0387-0004, 15 pp, 16 figs May   |
|             | 72-13 | Patzert, William C, 1972, Seasonal Variations in Structure and Circulation in the Red Sea, NSF Grants GA-10277 and GA-21171, 58 pp, 45 figs August   |
|             | 72-14 | Schnelzer, Garry A, 1972, A Comparison of Atmospheric Refractive Index Adjustments for Laser Satellite-Ranging, Hawaii Inst Geophys Report, 88 pp September  |
|             | 72-15 | Spielvogel, Lester Q, 1972, Finite Unsteady Waves in Circular Channels, NOAA-JTRE Report   |

|             |       |   |
|-------------|-------|---|
|             |       | NOAA-JTRE-76, 27 pp September   |
|             | 72-16 | Spielvogel, ER, and LQ Spielvogel, 1972, An Asymptotic Theory for Waves with Radial Symmetry, NOAA-JTRE Report NOAA-JTRE-77, 12 pp September  |
|             | 72-17 | Valencia, Mark J, 1972, Tertiary and Quarternary Sediments of the Ontong Java Plateau Area: Unpublished Results and Data, Data Report 21, ONR Contract N00014-70-A-0016-0001, and NSF Grant GA-11412, 52 pp incl Appens A and B December                    |
|             | 72-18 | Preisendorfer, RW, 1972, Surface-Wave Transport in Nonuniform Canals, NOAA-JTRE Report NOAA-JTRE-80, 332 pp July  |
|             | 72-19 | Larsen, JC, 1972, Hourly Mean Values by a New Graphic Technique, NOAA-JTRE Report NOAA-JTRE-69, 4 pp, 3 figs November   |
|             | 72-20 | Campbell, JF, 1972, Erosion and Accretion of Selected Hawaiian Beaches, 1962-1972, National Sea Grant Program Grant 2-35-243, UNIHI-SEAGRANT-TR-72-02, 30 pp November Re-issued: January 1975   |
|             | 72-21 | Loomis, Harold G, 1972, A Package Program for Time-Stepping Long Waves into Coastal Regions with Application to Haleiwa Harbor, Oahu, NOAA-JTRE Report NOAA-JTRE-79, 33 pp October  |
|             | 72-22 | Hurd, David Crockett, 1972, Interactions of Biogenic Opal, Sediment, and Seawater in the Central Equatorial Pacific, ONR Contract N00014-70-A-0016-0001, 81 pp December   |
|             | 72-23 | Andrews, JE, et al [M Morgenstein, CD Fein, MA Meylan, SV Margolis, and G Andermann], 1972, Investigations of Ferromanganese Deposits from the Central Pacific, Hawaii Inst Geophys Report, 133 pp December Re-issued: July 1974                            |
| <b>1973</b> |       |   |
|             | 73-1  | Pullen, Patricia, and Gordon W Groves, 1973, Supplement to Data Tape System, Data Report 22, NSF Grant GA-17137, 15 pp January  |
|             | 73-2  | Spielvogel, Ellen R, and Lester Q Spielvogel, 1973, Speed of the Solitary Wave, NOAA-JTRE Report NOAA-JTRE-67, 9 pp, 3 figs June  |
|             | 73-3  | Mader, Charles L, 1973, Numerical Simulation of Tsunamis, NOAA-JTRE Report NOAA-JTRE-85, 13 pp, 30 figs + 2 Appens February   |
|             | 73-4  | Furumoto, Augustine S, N Norby Nielson, and William R Phillips, 1973, A Study of Past Earthquakes, Isoseismic Zones of Intensity, and Recommended Zones for Structural Design for Hawaii, Hawaii Inst Geophys Report, 50 pp March                           |
|             | 73-5  | Andrews, JE, CW Landmesser, and Maury Morgenstein, 1973, Hawaii Institute of Geophysics Data Banks for Manganese Collections and Hydration-Rind Dating, Data Report 23, IDOE Technical Report 5, NSF Grant GX-33616, 187 pp March                           |
|             | 73-6  | Shimada, Keith E, 1973, A Comparison of Storm-Wave and Tradewind Wave Energies Off Kaneohe Bay, Oahu, Hawaii, NSF Grant GH-93 and National Sea Grant Program Grant 2-35-243, 115 pp May   |
|             | 73-7  | Andrews, JE, and Scientific Staff, 1973, Sediment Core Descriptions: R/V MAHI Cruise, Western Pacific, Data Report 24, NSF Grants GA-17879, GA-28273, GA-28341, GA-1639, and GA-4083, and ONR Contract N00014-70-A-0016-0001, 11 pp + 107 pp (unpaged) June |
|             | 73-8  | Daniel, Thomas H, 1973, Cruise AP-4: Acoustic Investigations in the Eastern Tropical Pacific, ONR Contract N00014-67-A-0387-0004, 76 pp May   |
|             | 73-9  | Taylor, Ronald C, 1973, An Atlas of Pacific Islands Rainfall, Data Report 25, ONR Contract N00014-70-A-0016-0001, 7 pp, 13 figs + 5 Appens August   |
|             | 73-10 | Loomis, Harold G, 1973, A New Method for Determining Normal Modes of Irregular Bodies of Water with Variable Depth, NOAA-JTRE Report NOAA-JTRE-86, 27 pp + Appen June   |
|             | 73-11 | Michael, Marion O, 1973, Fluctuations in Circum-Pacific Volcanic Activity and in the Seismicity of South America, NSF Grants GA-30740 and GX-28674, 96 pp May   |
|             | 73-12 | Chave, Keith E, et al [Robert J Tait], 1973, Waikiki Beach Erosion Project: Marine Environment Study, US Army Corps of Engineers Contract DACW84-72-C-0002, 67 pp January   |
|             | 73-13 | Chave, KE, et al [E Alison Kay, George J Krasnick, JE Maragos, Gary Meyers, Francois Pearet, and ED Stroup], 1973, Fanning Island Expedition, July-August, 1972, NSF Grant GA-31311, 320 pp, 45 tables, 106 figs + Appens July                              |
|             | 73-14 | Preisendorfer, Rudolph W, and Frank I Gonzalez, Jr, 1973, Classic Canal Theory, NOAA-JTRE Report NOAA-JTRE-83, 243 pp August  |
|             | 73-15 | Chen, Michael HT, 1973, Tsunami Propagation and Response to Coastal Areas, NOAA-JTRE Report NOAA-JTRE-95, 36 pp, 24 figs December   |
|             | 73-17 | Bowman, Bruce R, 1973, Density Variations of the Upper Atmosphere Below 200 km, from Analyses of High Eccentricity Satellite Orbit Decays, Hawaii Inst Geophys Report, 123 pp   |

|             |       |   |
|-------------|-------|---|
|             |       | December  |
|             | 73-18 | Le Tourneau, Nelson J, 1973, Seismological Bulletin Easter Island Station March 1971-January 1973, Data Report 27, NSF Grant GA-37118X, 22 pp November  |
|             | 73-19 | Spielvogel, Ellen R, and Lester Q Spielvogel, 1973, Bottom Drift Due to Periodic Waves, NOAA-JTRE Report NOAA-JTRE-66, 7 pp, 2 figs December  |
|             | 73-20 | Woollard, GP, HC Marsh, and RL Longfield, 1973, A Comparison of Observed and Predicted Earth Tide Observations Between Alaska and Mexico and Across the Zone of Crustal Transition Between Nebraska and Utah, Dept of Army Contract DACA 71-67-C-0010, 29 pp, 17 figs, 6 tables + Appen December  |
|             | 73-21 | Spielvogel, Lester Q, 1973, Runup of Single Waves on a Sloping Beach, NOAA-JTRE Report NOAA-JTRE-94, 11 pp, 11 figs, 1 table December   |
| <b>1974</b> |       |   |
|             | 74-1  | Daugherty, Kenneth I, George P Woollard, and Noel J Thompson, 1974, Reliability of Satellite Determined Positions of Latitude and Longitude Pt I Positioning Using the Transit Shipboard Navigation System; Pt II Use of a Satellite Navigator for Land Station Position Control, Hawaii Inst Geophys Report, 56 pp, 15 tables, 13 figs March |
|             | 74-2  | Gribble, Grant William, 1974, Total Chemical Analysis of Rocks, Soils, and Clay Minerals by X-Ray Fluorescence Quantometer, Hawaii Inst Geophys Report, 81 pp, 21 figs May  |
|             | 74-3  | Burnett, William C, 1974, Phosphorite Deposits from the Sea Floor Off Peru and Chile: Radiochemical and Geochemical Investigations Concerning Their Origin, ONR Contract N00014-70-A-0016-001 and NSF/IDOE Grant GX28674, 164 pp, 28 figs May   |
|             | 74-4  | Andrews, JE, J Craig, and WA Hardy, 1974, Project SWATHMAP: First Results; HIG Cruise AP-7, USS BADGER (DE 1071), September 24-30, 1973, Honolulu to Long Beach, Hawaii Inst Geophys Report, 14 pp, 11 figs August  |
|             | 74-5  | Wyrtki, Klaus, 1974, The Dynamic Topography of the Pacific Ocean and Its Fluctuations, ONR Contract N00014-67-A-0387-0017, NSF/IDOE (NORPAX), 19 pp, 37 figs August Re-issued: February 1977  |
|             | 74-6  | Shaw, Richard Paul, 1974, The Outer Boundary Integral Equation Method Applied to Wave Scattering in an Infinite, Locally Inhomogeneous Medium, NOAA-JTRE Report NOAA-JTRE-126, 32 pp, 7 figs, + Appen, 10 pp September  |
|             | 74-7  | Preisendorfer, RW, JC Larsen, and MA Sklarz, 1974, Electromagnetic Fields Induced by Plane-Parallel Internal and Surface Ocean Waves, NOAA-JTRE Report NOAA-JTRE-108, ONR Contract N00014-70-A-0016-0001, 306 pp March  |
|             | 74-8  | Harvey, Robert E, and Lester Q Spielvogel, 1974, Electric Fields Induced by Steady Ocean Currents, NOAA-JTRE Report NOAA-JTRE-109, ONR Contract N00014-70-A-0016-0001-AA, 15 pp, 8 figs September   |
|             | 74-9  | Andrews, JE, et al [MA Meylan, JD Craig, K Binder, and P Volk], 1974, Ferromanganese Deposits of the Ocean Floor; Cruise Report Mn-74-01, R/V MOANA WAVE, Honolulu to San Diego, 17 July to 10 August, 1974, Inter-University Program of Research, NSF/IDOE, 244 pp incl 18 tables, 66 figs September   |
|             | 74-10 | Berg, Eduard, 1974, Rayleigh Waves from High Gain Long-Period Stations: Signal Extraction; Amplitude Determination, and Separation of Overlapping Wave Trains, AFOSR Contract AFOSR-74-2612, 50 pp September  |
|             | 74-11 | Manghnani, Murli H, 1974, Pressure and Temperature Studies of Glass Properties Related to Vibrational Spectra, Final Report, ONR Contract N00014-67-A-0387-0012, NR 032 527, 88 pp, + Appen, 54 pp December   |
|             | 74-12 | Gundersen, Kaare R, 1974, A Study of Biological Nitrogen Transformations in the Water Masses of the North Central Pacific Ocean, Final Report, NSF Grant GA-27288, 33 pp, 18 figs + 2 Appens August   |
| <b>1975</b> |       |   |
|             | 75-1  | Wyrtki, Klaus, and Gary Meyers, 1975, The Trade Wind Field Over the Pacific Ocean Part I The Mean Field and the Mean Annual Variation, NSF/IDOE and ONR (NORPAX), Contract N00014-67-A-0387-0017, 26 pp, 25 figs Re-issued: January 1977  |
|             | 75-2  | Wyrtki, Klaus, and Gary Meyers, 1975, The Trade Wind Field Over the Pacific Ocean Part II Bimonthly Fields of Wind Stress: 1950 to 1972, NSF/IDOE and ONR (NORPAX), Contract N00014-67-A-0387-0017, 16 pp, 138 figs January   |
|             | 75-3  | Emery, William J, 1975, The Role of Vertical Motion in the Heat Budget of the Upper Ocean, NSF/IDOE and ONR (NORPAX), Contract N00014-67-A-0387-0017, 81 pp August  |
|             | 75-4  | Preisendorfer, Rudolf W, 1975, Multimode Long Surface Waves in Two-Port Basins, NOAA-JTRE Report NOAA-JTRE-125, 107 pp January  |



|             |   |
|-------------|---|
| 75-5        | Furumoto, AS, et al [GA Macdonald, M Druecker, and PF Fan], 1975, Preliminary Studies for Geothermal Exploration in Hawaii, 1973-1975, Geothermal Resources Exploration in Hawaii: Number 1, NSF Grant GI-38319, State of Hawaii Grant RCUH 774, County of Hawaii Grant RCUH 773, and ERDA Grant 03-1093, 55 pp December 1977 |
| 75-6        | Klein, Douglas P, and James P Kauahikaua, 1975, Geoelectric-Geothermal Exploration on Hawaii Island: Preliminary Results, Geothermal Resources Exploration in Hawaii: Number 2, NSF Grant GI-38319, State of Hawaii, and County of Hawaii, 23 pp, 14 figs January Re-issued: November 1975                                    |
| 75-7        | Harris, Carol L, 1975, Primary Production in the Ala Wai Canal, a Small Tropical Estuary, Hawaii Inst Geophys Report, 34 pp + Appen A, 4 tables, and Appen B, 47 figs March   |
| 75-8        | Miller, Jacquelin N, 1975, Ecological Studies of the Biota of the Ala Wai Canal, Hawaii Inst Mar Biol Tech Report 32, 37 pp + Appen A, 25 tables, and Appen B, 15 figs March  |
| 75-9        | Gonzalez, Jr, Frank I, 1975, Multimode Long Wave Transport in Irregular Basins, NOAA-JTRE Report NOAA-JTRE-135, 202 pp May  |
| 75-10       | Moberly, Ralph, J Frisbee Campbell, and William T Coulbourn, 1975, Offshore and Other Sand Resources for Oahu, Hawaii, UNIH-SEAGRANT-TR-75-03, NSF Grants GA 28, GH 62, and GH 93, and NOAA Grants 2-35243 and 04-3-158-29, 36 pp May   |
| 75-11       | Berg, Eduard, 1975, The Double Pass Method for More Precise Determinations of Longitude and Geoidal Height Using the Transit System of Navigational Satellites, ONR Contract N00014-7S-C-0209, 23 pp, 13 tables, 18 figs July   |
| 75-12       | Preisendorfer, Rudolph W, 1975, Directly Multimoded Two-Flow Long Surface Waves, NOAA-JTRE Report NOAA-JTRE-131, 38 pp May  |
| 75-13       | Bernard, Eddie N, 1975, Linearized Long Wave, Numerical Model of the Hawaiian Islands, NOAA-JTRE Report NOAA-JTRE-136, 45 pp June   |
| 75-14       | McMurtry, Gary M, and Robert J Oldnall, 1975, Contributions to the Geochemistry of Nazca Plate Sediments, Southeast Pacific 1 Geochemical Investigations of Sediments Across the Nazca Plate at 12'S; 2 Possible Sources of Metal in Pelagic Sediments, NSF/IDOE Grant GX 28674 June  |
| 75-15       | Andrews, JE, and JA Foreman, 1975, Sediment Core Descriptions: R/V KANA KEOKI 1971 Cruise, Eastern and Western Pacific Ocean, Data Report 28, NSF/IDOE Grant GX 28674 and ONR Contract N00014-70-A-0016-0001, 14 pp + Appen, 314 pp June  |
| 75-16       | Sklarz, Michael A, 1975, The Effect of Topography on the Electromagnetic Fields Induced by Plane-Parallel Barotropic Ocean Waves, NOAA-JTRE Report NOAA-JTRE-139, 306 pp July   |
| 75-17       | Margolis, SV, et al [W Hardy, WC Dudley, BK Dugolinsky, K Binder, and R Hall], 1975, Ferromanganese Deposits of the Ocean Floor: Cruise Report Mn-74-02, R/V MOANA WAVE, Honolulu to San Diego, 11 September to 10 October, 1974, Inter-University Program of Research, NSF/IDOE Grant GX-34659, 129 pp September             |
| 75-18       | Handschumacher, DW, ST Okamura, and PK Wong, 1975, Magnetic and Bathymetric Profiles from the Central and Southeastern Pacific: 10°N-45°S, 70°W-150°W, Data Report 29, NSF/IDOE Grant IDO71-04207-A04 and ONR Contract N00014-75-C-0209, 175 pp November  |
| 75-19       | Wong, Peter PK, Christopher Gregory, and David W Handschumacher, 1975, Computer Program Projecting Fictitious Longitude and Latitude onto Standard Mercator Grids, Data Report 30, 25 pp December   |
| 75-20       | Loomis, Harold G, 1975, Normal Modes of Oscillation of Honokohau Harbor, Hawaii, NOAA-JTRE Report NOAA-JTRE-142, 20 pp + Appen, 9 pp August   |
| 75-21       | Loomis, Harold G, 1975, The Tsunami of November 29, 1975 in Hawaii, NOAA-JTRE Report NOAA-JTRE-152, 29 pp, December   |
| 75-22       | Reynolds, Richard W, 1975, Effects of an Elliptic Ridge on Waves of Tidal Frequency, NSF Grant 17137, #2, 93 pp December  |
| 75-23       | Sicks, Glenn Charles, 1975, The Kinetics of Silica Dissolution from Volcanic Glass in the Marine Environment, ONR N00014-70-A-0016-0001, 82 pp December   |
| 75-24       | Lineberger Patrick H, 1975, Sedimentary Processes and Pelagic Turbidites in the Eastern Central Pacific Ocean Basin, ONR N00014-70-A-0016-001, 38 pp, 25 tables, 61 figs December   |
| <b>1976</b> |   |
| 76-1        | Preisendorfer, Rudolph W, 1976, Marching Long Surface Waves Through Two-Port Basins: I Continuous Circuit Case, NOAA-JTRE-132, 99 pp January  |
| 76-2        | Preisendorfer, Rudolph W, 1976, Marching Long Surface Waves Through Two-Port Basins: II Continuous Two-Flow Case, NOAA-JTRE-133, 87 pp February   |
| 76-3        | Chesley, Duncan M, and Eduard Berg, 1976, Computer Programs for Seismology: Special   |

|             |       |  |
|-------------|-------|--|
|             |       | Applications to the High-Grain Long-Period Seismic Network, AFOSR Contract 74-2612, 99 pp March  |
|             | 76-4  | Woollard, George P, and Valerie M Hanna, 1976, An Analysis of Factors Controlling Gravity and Its Prediction in the Atlantic Ocean, Final Report, Contract DMA 700-74-C-0192; and ONR Contract N00014-75-C-0209, 105 pp, 104 figs March  |
|             | 76-5  | Loomis, Harold G, 1976, Tsunami Wave Run-up Heights in Hawaii, NOAA-JTRE-161, 95 pp May Reissued   |
|             | 76-6  | Bernard, Eddie N, 1976, A Numerical Study of the Tsunami Response of the Hawaiian Islands, NOAA-JTRE-167, 73 pp May  |
|             | 76-7  | Isaacson, Michael de StQ, 1976, Mass Transport in Cnoidal Waves, NOAA-JTRE-168, 39 pp, 9 figs June   |
|             | 76-8  | Soloviev, SL, et al [GR Miller, RR Harvey, MJ Vitousek, and DY Shinmoto], 1976, Preliminary Results of the First Soviet-American Tsunami Expedition, NOAA-JTRE-162, 74 pp June   |
|             | 76-9  | Kasahara, Junzo, and Robert R Harvey, 1976, Ocean Bottom Seismometer Study of the Kuril Trench Area, NOAA-JTRE-166, ONR Contract N00014-75-C-0209, 24 pp, 3 tables, 19 figs August   |
|             | 76-11 | Preisendorfer, RW, 1976, Forcing Long Surface Waves Through Two-Port Basins: I Circuit Variables, NOAA-JTRE-156, 143 pp November   |
|             | 76-12 | Preisendorfer, RW, 1976, Forcing Long Surface Waves Through Two-Port Basins: II Two-Flow Variables, NOAA-JTRE-157, 111 pp November   |
|             | 76-13 | Andrews, JE, and J Foreman, 1976, Sediment Core Descriptions: R/V Kana Keoki 1972 Cruise, Eastern and Western Pacific Ocean, Data Report No 32, 10 pp + Appen, 112 pp June   |
|             | 76-14 | Frank, DJ, MA Meylan, and JD Craig, 1976, Ferromanganese Deposits of the Hawaiian Archipelago, UNIH-SEAGRANT-CR-77-O1, Marine Affairs Coordinator, State of Hawaii, Task Orders 21, 28, 35, 43, 44, 45, and 103 and NOAA Office of Sea Grant, Grants 04-6-158-44026, 71 pp December  |
|             | 76-15 | Berg, Eduard, 1976, Geoid Heights and Geodetic Positions of Pacific Harbors and Deep Sea Drilling Sites, ONR Contract N00014-75-C-0209, 27 pp, 6 tables, 11 figs, + Appen, 85 pp November  |
| <b>1977</b> |       |  |
|             | 77-1  | Wyrтки, Klaus, et al [Gary Meyers], 1977, Variability of the Thermal Structure in the Central Equatorial Pacific Ocean, NSF (NORPAX) OCE74-24583, 75 pp January  |
|             | 77-2  | Gonzalez, Frank I, 1977, Seiching in Flat-Bottomed Basins: An Application of Multimode Transport Methods, NOAA-JTRE-181, 105 pp December   |
|             | 77-3  | Dotson, Alan, et al [L Magaard, G Niemeyer, and K Wyrтки], 1977, A Simulation of the Movements of Fields of Drifting Buoys in the North Pacific Ocean, NSF Grant ID074-24583A01 and ONR N00014-75-C-0209, 59 pp March  |
|             | 77-4  | Miyoshi, Hisahi, 1977, Directivity and Efficiency of Tsunamis, NOAA-JTRE-190, 28 pp + Appen, 4 pp May  |
|             | 77-5  | Preisendorfer, Rudolph W, 1977, Transport Theory of Long Surface Waves I Protobasins, NOAA-JTRE-186, 192 pp April  |
|             | 77-6  | Preisendorfer, Rudolph W, 1977, Transport Theory of Long Surface Waves II Networks, NOAA-JTRE-187, 169 pp May  |
|             | 77-7  | Preisendorfer, Rudolph W, 1977, Transport Theory of Long Surface Waves III Analytics, NOAA-JTRE-188, 100 pp June   |
|             | 77-8  | Preisendorfer, Rudolph W, and Michael A Sklarz, 1977, Transport Theory of Long Surface Waves IV Numerics, NOAA-JTRE-189, 133 pp July   |
|             | 77-9  | Thayer, Fritz, Chris Mato, and Scientific Staff, 1977, Sediment Core Descriptions: R/V Kane Keoki 1973 (North Central Pacific) Cruise, 1974 (Southeastern Pacific) Cruise, and a 1974 (Mid-Atlantic Ridge) IPOD Site Survey, ONR Contracts N00014-75-C-0209, N00014-70-A-1600-0001, and N00014-70-A-1600; NSF Grant C-482, 13 pp + Appen, 114 pp September |
|             | 77-10 | Preisendorfer, Rudolph W, 1977, Transport Theory of Short Surface Waves, NOAA-JTRE-210, 22 pp October  |
|             | 77-11 | Preisendorfer, Rudolph W, 1977, Time-Dependent Wave Transport Theory, NOAA-JTRE-211, 19 pp October   |
|             | 77-12 | Hanna, Valerie M, 1977, The Accuracy of Charted Port Positions in the Pacific as Defined by Satellite Determined Positions Using Multiple Observations, ONR Contract N00014-75-C-0209, 135 pp October  |
|             | 77-13 | Wright, Peter B, 1977, The Southern Oscillation - - Patterns and Mechanisms of the   |

|             |       |  |
|-------------|-------|--|
|             |       | Teleconnections and the Persistence, NSF (NORPAX) Grant OCE-76-23173, 107 pp October   |
|             | 77-14 | Cox, Doak C, and Joseph Morgan, 1977, Local Tsunamis and Possible Local Tsunamis in Hawaii, NSF Grant ATA 73-03359 A03, and State of Hawaii, 140 pp November   |
|             | 77-15 | Keller, GV, et al [J P Kauahikaua and DP Klein], 1977, Geoelectric Studies on the East Rift, Kilauea Volcano, Hawaii Island, NSF Grant GI-38319, and ERDA Grant E(04-3)-1093, 195 pp December  |
|             | 77-16 | Adams, WM, et al, 1977, A Signal-Selective Seismic Trigger for Local Tsunami Warning, State of Hawaii, Office of Civil Defense, 71 pp December   |
| <b>1978</b> |       |  |
|             | 78-1  | Niemeyer, Gary C, 1978, Numerical Methods for the Simulation of Hydrodynamic and Ecological Processes, NSF Grant DES 74-23005, 127 pp January  |
|             | 78-2  | Harvey, Robert R, James E Andrews, and J Ronald Zaneveld, 1978, Preliminary Duman Site Evaluations: Maui Basin and Keahole Point Basin, UNIH-SEAGRANT-CR-7802, NOAA, Office of Sea Grant Grant 04-6-158-441144; ONR Contract N00014-67-A-0369-0007, Proj NR-083-102; NOAA MUST; HIG; and Marine Affairs Coordinator, State of Hawaii, 44 pp June |
|             | 78-3  | Lukas, Roger B, 1978, The Prediction of Oil Slick Trajectories at the Honolulu Harbor Entrance, NSF Grant OCE 76-23173, 182 pp March   |
|             | 78-4  | Price, James M, and Gary Meyers, 1978, A Climatology of Potential Density in the Central North Pacific, 20N-50N, 170E-150W, ONR Contract N00014-75-0209 P08, (NORPAX) 53 pp April  |
|             | 78-5  | Berg, E, et al [SH Laurila and GH Sutton], 1978, High-Precision Laser Ranging at Haleakala, Maui 1976-1977, NASA Grant NSG-7179, 184 pp June   |
|             | 78-6  | Kroopnick, PM, et al [RW Buddemeier and D Thomas], 1978, Hydrology and Geochemistry of a Hawaiian Geothermal System: HGP-A, NSF Grant GI-38319 and ERDA Grant EY-76-03-1093, 64 pp May   |
|             | 78-7  | Rowell, Unni Havem, 1978, Geology and Geophysics in Hawaii: A Bibliography of Theses and Dissertations, 1909-1978, Data Report 34, viii + 78 pp June   |
|             | 78-8  | Suyenaga, W, et al [M Broyles, AS Furumoto, R Norris, and MD Mattice], 1978, Seismic Studies of Kilauea Volcano, Hawaii Island, Geothermal Resources Exploration in Hawaii: Number 5, NSF Grant GI-38319, and ERDA Grant E(04-3)-1093, 25 pp September   |
|             | 78-9  | Rudman, Albert J, 1978, Analysis of Geophysical Logs from the Hawaii Geothermal Project Well, Geothermal Resources Exploration in Hawaii: Number 6, NSF Grant GI-38319 and ERDA Grant EY-76-C-03-1093, 25 pp September   |
|             | 78-10 | Campbell, J Frisbee, and Ralph Moberly, 1978, Ala Moana Beach Erosion: Monitoring and Recommendations, Harbors Division, Dept of Transportation, State of Hawaii Contract HC2072, 21 pp November   |
|             | 78-11 | Schenck, Bruce E, and Simo H Laurila, 1978, High-Precision Gravimetric Survey in Support of Lunar Laser Ranging at Haleakala, Maui, 1976-1978, NASA Grant NSG-7179, 44 pp December   |
| <b>1979</b> |       |  |
|             | 79-1  | Hurd, David C, Charles Fraley, and James K Fugate, 1979, Raw Data and First Order Calculations for the Study "Silica 'Apparent' Solubilities and Rates of Dissolution and Precipitation for ca 25 Common Minerals at 1-2°C, pH 7.5-8.5 in Seawater", Data Report No 35, ONR N00014-75-C-0209, Marine Chemistry Subtask 3A, 46 pp January         |
|             | 79-2  | Theyer, Fritz, Chris Mato and Scientific Staff, 1979, Sediment Core Descriptions: R/V Kane Keoki 1975 and 1976 North Central Pacific Cruises and 1976 South Central Pacific and Clarion Fracture Zone Cruises, Data Report No 36, NSF Grant OCE77-20050 and ONR Contract N00014-75-C-0209, 10 pp + Appen 63 pp February                          |
|             | 79-3  | Rowell, Unni Havem, 1979, Oceanography of the Tropical Pacific: A Bibliography of Theses and Dissertations, 1935-1978, Data Report 37, vi + 78 pp March  |
|             | 79-4  | Thomas, Donald, Malcolm Cox, Dale Erlandson, and Leslie Kajiwar, 1979, Potential Geothermal Resources in Hawaii: A Preliminary Regional Survey, Assessment of Geothermal Resources in Hawaii: No 1, DOE/ID/01713-4, xii + 103 pp + Appen, 63 pp June   |
|             | 79-5  | Cox, Doak C, 1979, Local Tsunamis in Hawaii--Implications for Hazard Zoning, Environmental Center CN: 0020, viii + 46 pp August  |
|             | 79-6  | Campbell, J Frisbee, and Dale Erlandson, 1979, OTEC-1 Anchor Site Survey--Final Report, 55-00603 Global Marine Development Inc, viii + 55 pp June  |
|             | 79-7  | Epp, David, and A John Jr Halunen, 1979, Temperature Profiles in Wells on the Island of Hawaii, Geothermal Resources Exploration in Hawaii: No 7, NSF GI-38319, vi + 31 pp August  |

|             |       |  |
|-------------|-------|--|
|             | 79-8  | Cox, Malcolm E, John M Sinton, Donald M Thomas, Mark D Mattice, James P Kauahikaua, Donald M Helstern, and Pow-foong Fan, 1979, Investigation of Geothermal Potential in the Waianae Caldera Area, Western Oahu, Hawaii, Assessment of Geothermal Resources in Hawaii: No 2, DOE/ID/01713-5, x + 76 pp September         |
|             | 79-9  | Cox, Malcolm, and Donald M Thomas, 1980, Chloride/Magnesium Ratio of Shallow Groundwaters as a Regional Geothermal Indicator in Hawaii, Assessment of Geothermal Resources in Hawaii: No 3, DOE/ID/01713-4, ix + 51 pp November  |
|             | 79-10 | Kasahara, Junzo, Robert R Harvey, Stephen L Poole, and Akio Takagi, 1980, Preliminary Report of Seismological Results of the 1978 Soviet-American Tsunami Expedition, NOAA grant 03-78-B01-15, iii + 25 pp December  |
| <b>1980</b> |       |  |
|             | 80-1  | Woollard, George P, and Valerie M Godley, 1980, The New Gravity System: Changes in International Gravity Base Values and Anomaly Values, ONR Contract N00014-75-C-0209, NSF Grant EAR 77-28552, xviii + 172 pp October   |
|             | 80-2  | Woollard, George P, and Valerie M Godley, 1981, Progress in the Global Standardization of Gravity Values: An Analysis of the Woollard and Rose International Gravity Values, ONR Contract N00014-75-C-0209, Project NR 083-603, NSF Grant Ear 77-28552, xi + 146 pp December   |
|             | 80-3  | McCreary, Jr, Julian P, 1980, Modelling Wind-Driven Ocean Circulation, NSF NORPAX Grant OCE 76-00551, JIMAR, NOAA Grant 03-78-B01-15, vii + 64 pp December   |
|             | 80-4  | Sutton, GH, B Lewis, J Ewing, F Duennebie, B Iwatake, and J Tuthill, 1980, Lopez Island Ocean Bottom Seismometer Intercomparison Experiment, ONR Contract N00014-75-C-0209, vii + 72 pp + 10 appens, various pp (272 pp) October   |
|             | 80-5  | Wyrтки, Klaus, and Wayne G Leslie, 1980, The Mean Annual Variation of Sea Level on the Pacific Ocean, NSF Grant OCE 78-20035 (NORPAX, IDOE), v + 159 pp August   |
|             | 80-6  | Wyrтки, Klaus, 1980, Sea Level During the NORPAX Test Shuttle Experiment, NSF OCE 78-20035 (NORPAX, IDOE), vii + 27 pp October   |
|             | 80-7  | Vitousek, Martin J, Bernard Kilonsky, and Wayne G Leslie, 1980, Meteorological Observations in the Line Islands, 1972-1980, ONR N00014-67-A-0387-0017, NSF OCE 75-22878 and OCE 78-23792, (NORPAX, IDOE), Data Report 38, vii + 74 pp December   |
|             | 80-8  | Cox, Doak C, 1980, Source of the Tsunami Associated with the Kalapana (Hawaii) Earthquake of November 1975, Environ Ctr CN :0023, NOAA/JIMAR 81-0041, vii + 46 pp December   |
| <b>1981</b> |       |  |
|             | 81-1  | Stroup, Edward D, Bernard J Kilonsky, and Klaus Wyrтки, 1981, AXBT Observations During the Hawaii/Tahiti Shuttle Experiment, NSF OCE78-23792 (NORPAX, IDOE), vii + 49 pp April   |
|             | 81-2  | Firing, Eric, Candace Fenander, and Joyce Miller, 1981, Profiling Current Meter Measurements from the NORPAX Hawaii to Tahiti Shuttle Experiment, Data Report 39, NSF OCE78-21320 (NORPAX, IDOE), x + 146 pp July  |
|             | 81-3  | Hwang, Dennis, 1981, Beach Changes on Oahu as Revealed by Aerial Photographs, UNIH-SEAGRANT-CR-81-07, Tech Suppl No 22, Coastal Zone Management Program, viii + 146 pp July  |
|             | 81-4  | Kauahikaua, Jim, and Mark Mattice, 1981, Geophysical Reconnaissance of Prospective Geothermal Areas on the Island of Hawaii Using Electrical Methods, Assessment of Geothermal Resources in Hawaii: No 4, USGS Open File Report 81-1044, DOE DE-AS03-ET7927023, vi + 50 pp December                                      |
| <b>1982</b> |       |  |
|             | 82-1  | Harvey, Robert R, Motoyasu Miyata, and William Patzert, 1982, Bottom Current and Pressure Measurements from the Central Equatorial Pacific, Data Report 40, JIMAR 82-0043, JIMAR/NOAA NA80RAH00002, vi + 62 pp March   |
|             | 82-2  | Cox, Malcolm E, Kevin E Cuff, Barry R Lienert, John M Sinton, and Donald Thomas, 1982, A Preliminary Geothermal Evaluation of the Mokapu Peninsula on the island of Oahu, Hawaii, State of Hawaii Dept of Planning and Economic Development Contract 12135, and Naval Weapons Center, China Lake, CA, vi + 45 pp January |
|             | 82-3  | [Withdrawn]  |
|             | 82-4  | Stevenson, James W, 1982, Computation of Heat and Momentum Fluxes at the Sea Surface During the Hawaii to Tahiti Shuttle Experiment, JIMAR 82-0044, JIMAR/NOAA Grant NA80RAH00002, vi + 42 pp July   |
|             | 82-5  | Wyrтки, Klaus, and Bernard Kilonsky, 1982, Transequatorial Water Structure During the Hawaii to Tahiti Shuttle Experiment, NSF OCE80-19028 (NORPAX, IDOE), xi + 65 pp  |



|             |      |  |
|-------------|------|--|
|             |      | August   |
|             | 82-6 | Walker, Daniel A, 1982, Oceanic Pb/Sn Phases: A Qualitative Explanation and Reinterpretation of the T-Phase, ONR N00014-75-C-0209, Project 083 603, vi + 19 pp November  |
|             | 82-7 | Warlop, Sharon K, and J Frisbee Campbell, 1982, Bathymetric Survey Data Collected by CCOP/SOPAC and Processed at the Hawaii Institute of Geophysics Data Processing Laboratory, Hydrographic/Topographic Center, Defense Mapping Agency, Data Report 41, v + 80 pp December  |
| <b>1983</b> |      |  |
|             | 83-1 | Glasby, GP, T Thijssen, WL Pluger, G Friedrich, A Mangini, P Stoffers, and J Dominik, 1983, Manganese Nodule Distribution, Mineralogy and Geochemistry and Relation to Sediment Type in the Aitutaki Passage, South-West Pacific, Naval Ocean Research and Development Activity and Hawaii Institute of Geophysics, vii + 112 pp March   |
|             | 83-2 | Thayer, Fritz, and Chris Mato, 1983, Sediment Core Descriptions: R/V Kane Keoki 1977 through 1981 North Pacific Ocean Cruises and R/V Wekoma 1980 Southeast Pacific Ocean Cruise, NSF OCE77-26941, OCE77-2331, OCE78-25453, OCE78-82056, OCE78-19816, OCE80-19459, OCE82-01962; ONR N00075-C-2029; J0140-81; CU-Hawaii 25906A2; Hawaii Institute of Geophysics, Data Report 42, 135 pp May |
|             | 83-3 | LaTraille, Sharon L, 1983, Archiving and Exchange of a Computerized Marine Seismic Database: The ROSE Data Archive System, ONR Grant N00014-82-C-0380 and NSF Grant EAR 80-02124, Data Report 43, vi + 146 pp December   |
|             | 83-4 | Campbell, J Frisbee, 1983, Hawaii Deep-Water Cable Program Phase II, At-Sea Route Surveys, prepared for Parsons Hawaii, US Dept of Energy Grant no DE-AC01-82CE76214 to Hawaiian Electric Co, iv + 50 pp August  |
| <b>1984</b> |      |  |
|             | 84-1 | Oh, Im Sang, and Lorenz Magaard, 1984, An Improved Analytical Theory of Rossby Wave Driven Eulerian and Lagrangian Mean Flows Along Non-Zonal Barriers, with Application to the Hawaiian Ridge, ONR N00014-82-C-0380, vii + 13 pp May  |
|             | 84-2 | Kilonsky, Bernard J, 1984, Satellite-Transmitting Sea Level Stations--1983, NSF Grant No OCE 82-13486, viii + 40 pp August   |
|             | 84-3 | Wyrtki, Klaus, and Shikiko Nakahara, 1984, Monthly Maps of Sea Level Anomalies in the Pacific, 1975-1981, JIMAR 84-0085, JIMAR/NOAA Grant NA80RAH00002 as part of IGOS SEA LEVEL PILOT PROJECT, vi + 93 pp August  |
|             | 84-4 | Cox, Doak C, and Joseph Morgan, 1984, Local Tsunamis in Hawaii—Implications for Warning, JIMAR 81-0035, Environ Ctr CN:0030, xi + 104 pp November  |
| <b>1985</b> |      |  |
|             | 85-1 | Moberly, R, and FT Mackenzie, 1985, Climate change and Hawaii: Significance and recommendations, iv + 32 pp January  |
|             | 85-2 | Thomas, Donald M, 1985, Geothermal resources assessment in Hawaii, Assessment of Geothermal Resources in Hawaii: No 7, Final Report DOE DE-AC03-80SF10819, xiii + 115 pp February  |
|             | 85-3 | Warlop, Sharon K, and J Frisbee Campbell, 1985, Compilation of CCOP-SOPAC Bathymetric Survey Data for 1980 and 1981, v + 51 pp December  |
| <b>1986</b> |      |  |
|             | 86-1 | Williams, Robin, and Peter Muller, 1986, Potential Vorticity Estimates at Small Scales in the Ocean, x + 99 pp May   |
| <b>1987</b> |      |  |
|             | 87-1 | Campbell, J Frisbee, 1987, Bathymetric Atlas of the Southeast Hawaiian Islands, UNIH SEAGRANT-MR-87-01, Univ HI Sea Grant College Program, iv + 21 pp February   |
| <b>1988</b> |      |  |
|             | 88-1 | Cessaro, Robert K, and Firmin Olivera, 1988, High-Speed PDP-11 Microcomputer-Controlled Data Acquisition and Processing System, ONR N00014-82-C-0380 and N00014-85-C-0516, vi + 66 pp February   |
|             | 88-2 | Price, James M, Francis J Sansone, SV Smith, Hans-Juergen Krock, Peter Rosti, and Christine C Andrews, 1988, Variation of Water Chemistry off Hawaii and the Inferred Vertical Displacement of the Thermocline, Univ of Hawaii Fund for Project Development, Hawaii Natural Energy Institute and National Science Foundation OCE86-00803 and OCE86-13647, vii + 32 pp October              |
| <b>1989</b> |      |  |
|             | 89-1 | Price, James M, and Dailin Wang, 1989, Semi-Monthly Temperature and Geopotential   |

|             |      |   |
|-------------|------|---|
|             |      | Anomaly in the Upper 500 Meters Along the Oahu--Farallon Islands Great Circle From November 15, 1967 Through December 15, 1979, ONR N00014-82-C-0380, vi + 255 pp   |
| <b>1990</b> |      |   |
|             | 90-1 | Schoonmaker Tribble, Jane, Bruce Tsutsui, and Joe Holtzmann, 1990, Sediment Core Descriptions: R/V Kana Keoki 1979-1984 Southwest and Central Pacific Cruises and USNS De Steiguer 1982 Hawaiian Cruise, NSF Grant OCE85-04291, 13 pp + appen 91 pp (unpaged) January |