

List of Publications

(1971-1972)

1971

1. Araki, T.; Effects of ions of ionospheric reflection coefficients for VLF radio waves, *Contr. Geophys. Inst., Kyoto Univ.*, **11**, 1-10.
2. *Fukao, S., K. Kawahira and S. Sato; Very-long periodic waves in the F-region. *Denriken Kenkyukai, (Researches on the Ionosphere). Inst. Space Aeron. Sci., Univ. of Tokyo*, 148-150.
3. *Kawahira, K.; On the horizontal scale of the Winter Absorption Anomaly. *Denriken Kenkyukai, (Researches on the Ionosphere). Inst. Space Aeron. Sci., Univ. of Tokyo*. 187-189.
4. *Kawahira, K.; Planetary waves and the variation of electron density in the ionospheric D-region. *Denriken Kenkyukai, (Researches on the Ionosphere). Inst. Space Aeron. Sci., Univ. of Tokyo*, 190-194.
5. *Kikkawa, K.; Geophysics of hot springs, *J. Balneol. Soc. Japan*, **22**, 53-55.
6. *Kikuchi, T. and T. Araki; The sounding of the lower ionosphere by using short path VLF radio waves, *Proc. Ionosphere Symp.*, 91-93.
7. *Kubotera, A. and M. Otsuka; Nature of microtremors observed on the thick deposit. *Butsuri-Tanko (Geophysical Exploration)*, **24, 3**, 125-134.
8. Maeda, H.; Solar and lunar hydromagnetic tides in the Earth's magnetosphere, *J. Atmosph. Terr. Phys.* **33**, 1135-1146.
9. Nakajima, C. and H. Yoshioka; On air-sea interaction in the Kii Channel, *Bull. Disast. Prev. Res. Inst., Kyoto Univ.*, **20**, 217-226.
10. *Ogawa, T., Y. Tanaka, S. Otsuka and K. Tanaka; Electric field variations in the stratosphere, *Proc. Large Balloon Symp.*, 116-128.
11. *Ozawa, I.; An expression of the anisotropy of the earth tidal strains, *Journal of the Geodetic Society of Japan*, **17**, No.3, 85-93.
12. Ozawa, I.; Observations of the tidal strains at Kinki District in Japan, the Extra Collection of papers contributed to the IAU Symposium No.48 "Rotation of the Earth".
13. Shimada, M.; Measurement of pressure at high temperatures in a piston-cylinder apparatus, *Contr. Geophys. Inst., Kyoto Univ.*, **11**, 213-229.
14. Wada, T. and K. Nishimura; Apparent azimuths of P-waves and a structure under the Volcano Aso. *Contr. Geophys. Inst., Kyoto Univ.*, **11**, 179-190.
15. *Yusa, Y.; Concentrations of calcium and magnesium ions in bicarbonate-ion rich groundwater, *J. Balneol. Soc. Japan*, **22**, 27-37.
16. Yusa, Y., Y. Yoshida, K. Moriwaki and T. Torii; Report of the Japanese Summer Parties in dry valleys, Victoria Land IX. A preliminary report of the geophysical study of dry valleys in 1970-1971, *Antarctic Record*, **42**, 65-88.

1972

1. *Araki, T.; Gravito-hydromagnetic waves in exponentially varying plasma, *Proc. Magneto-hydrodynamics Symp.*, 143-150.
2. *Araki, T.; Non-reciprocal propagation of VLF radio waves, *Bussei Kenkyu*, **18**, 338-349.
3. Araki, T., Y. Naito and S. Kato; Detection of whistler mode signals from VLF transmitter in Australia, *Rept. Ionos. Space Res. Japan*, **26**, 69-78.

* Publication in Japanese.

4. *Asai, T.; Cumulus convection — its preferred mode —, *Nagare*, **4**, No. 2, 49–56.
5. *Asai, T.; Cumulus ensemble in airmass transformation processes over the ocean, *Marine Sciences*, **4**, 674–679.
6. *Asai, T.; A report of JOC/GARP Study Group Conference on the Parameterization of Sub-grid Scale Processes, Leningrad, 20–27 March 1972, *Tenki*, **20**, 19–40.
7. Asai, T.; Thermal instability of a shear flow turning the direction with height, *J. Meteor. Soc. Japan*, **50**, 525–532.
8. Asai, T.; Wind and thermal structures of the troposphere over the Southwest Islands of Japan during January 1968 — A preliminary study for AMTEX —. *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 187–195.
9. Asai, T. and I. Nakasuji; On the stability of Ekman boundary layer flow with thermally unstable stratification, *J. Meteor. Soc. Japan*, **51**, 15–31.
10. *Hujita, A. and T. Ogawa; Types of electric field variations due to thunderstorm cloud, *Taiki Denki Kenkyu*, **6**, 59–62.
11. *Imasato, N., S. Serizawa, K. Nishi and H. Kunishi; On the frequency spectrum of correction factor “n” of pressure type wave gauge, *Annuals, Disast. Prev. Res. Inst., Kyoto Univ.*, **15, B**, 417–423.
12. Imasato, N.; Study of seiche in Lake Biwa-ko (III) — some results of a numerical experiments by nonlinear two-dimensional model —. *Contr. Geophys. Inst., Kyoto Univ.* **12**, 63–75.
13. Kawahira, K.; A preliminary analysis on the horizontal scale of the winter absorption anomaly in the ionospheric D-region. *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 25–32.
14. Kikkawa, K.; Contribution of ground water system to the distribution of geothermal state, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 77–85.
15. Kikuchi, I. and T. Araki; Effects of buildings on field strength of VLF signals, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 1–5.
16. *Maeda, S., S. Handa, T. Ogawa, K. Kawahira, T. Tanaka, K. Tanaka and T. Miura; Atmospheric internal gravity waves in the stratosphere, *Proc. Large Balloon Symp.*, 105–111.
17. *Mitsuta, Y. and K. Kawahira; Studies of wind caused by Typhoon 7010, *Annuals, Disast. Prev. Res. Inst., Kyoto Univ.*, **15, B**, 247–254.
18. Nagano, H. and T. Inoue; On the FLR Kelvin-Helmholtz instability of the earth’s magnetopause, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 7–14
19. *Nakagawa, I., M. Satomura, T. Ichinohe and N. Sumitomo; On secular change of gravity near Lake Biwa-ko, *J. Geod. Soc. Japan*, **18**, 23–29.
20. *Nakagawa, I. and M. Satomura; On precise gravity measurement at stations of small gravity difference (Par. 1), *J. Geod. Soc. Japan*, **18**, 17–22.
21. *Nishida, R. and Y. Tanaka; Ground tremors caused by rock bursts in the Ikuno mine (Continued), *Annuals, Disast. Prev. Res. Inst., Kyoto Univ.*, **15, B**, 43–51.
22. *Ogawa, T. and S. Otsuka; Schumann resonances and thunderstorm activity, *Taiki Denki Kenkyu*, **6**, 15–19.
23. Ohnishi, H. and T. Asai; A comparison of some schemes parameterizing cumulus convection by numerical experiments, *Contr. Geophys. Inst., Kyoto Univ.* **12**, 49–62
24. *Okano, K. and I. Hirano; Seismic activity in the vicinity of Kyoto during the last two years, *Rep. Coord. Comm. Earthq. Pred., Min. Constr.*, **8**.
25. Ozawa, I.; Estimations of the magnitudes of the coming earthquakes, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 129–143.
26. *Ozawa, I.; Topographical estimations of seismic magnitude of coming earthquakes, *Annuals, Disast. Prev. Res., Kyoto Univ.*, **15, B**, 53–62.

27. *Satomura, M.; Gravity survey near the Yanagase active fault, *J. Geod. Soc. Japan*, **18**, 40-42.
28. Satomura, M. and I. Nakagawa; Secular change of gravity near Lake Biwa-ko, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 101-115.
29. Shimada, M.; Melting of albite at high pressures under hydrous conditions, *J. Phys. Earth.*, **20**, 59-70.
30. Sumitomo, N.; On characteristics of geomagnetic variations in the vicinity of Tottori, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 117-128.
31. *Suzuki, A. and H. Maeda; On the continuous mapping of the equivalent current systems in the ionosphere, *Proc. IASY and IMS Symposium*.
32. Takeuchi, S.; Variation of elasticity in water-saturated rocks near the melting temperature of ice, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 157-176.
33. *Tanaka, Y., M. Hayashi, M. Kato and K. Huzita; Continuous observation of crustal deformations in a fracture zone of Rokko fault system (First report), *Annuals, Disast. Prev. Res. Inst., Kyoto Univ.*, **15, B**, 29-41.
34. *Tanaka, Y., M. Hayashi, M. Kato, M. Koizumi and K. Huzita; Continuous observation of crustal deformations in a fracture zone of Rokko fault system (Preliminary report), *Annuals, Disast. Prev. Res. Inst., Kyoto Univ.*, **15, B**, 15-28.
35. Wada, T., K. Kamo and Y. Sudo; Natures of earthquake swarms at the Aso Caldera-Rim, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 145-155.
36. Wada, T., K. Kamo, T. Furusawa and K. Onoue; The observation of microtremors correlated with the existence of cracks at the landslide area, *Bull. Disast. Prev. Res. Inst., Kyoto Univ.*, **21**, 217-226.
37. Watanabe, H.; Measurement of electrical conductivity of granite under high pressure, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 177-186.
38. *Yamamoto, R., T. Asai, Y. Mitsuta, T. Fujii and K. Kawahira; Studies of Typhoon 7123 (TRIX) in decaying stage, *Annuals, Disast. Prev. Res. Inst., Kyoto Univ.*, **15, B**, 275-283.
39. Yoshikado, H. and T. Asai; A numerical experiment of effects of turbulent transfer processes on the land and sea breeze, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 33-48.
40. Yusa, Y.; The re-evaluation of heat balance in Lake Vanda, Victoria Land, Antarctica, *Contr. Geophys. Inst., Kyoto Univ.*, **12**, 87-100.