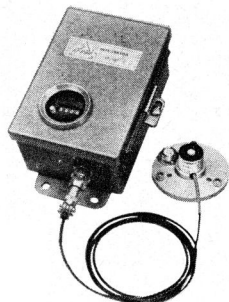


Solar Energy Integrated in Watt-hr M⁻² with the LI-500 Integrator and LI-200S Pyranometer Sensor

Applications:

Integrate global radiation from the sun and sky.

Long-term or short-term untended monitoring.



This weatherproof, inexpensive combination provides an accurate battery powered system for solar energy monitoring in remote field locations or under urban conditions. Operation simplicity facilitates extensive use by nontechnical personnel. The integrator is ordered with capability which enables hourly data collection or as much as an annual total depending on requirements. Sensitivity can be changed by the user. Interchangeable modules provide similar measurement capability for all LI-COR sensors or other LI-COR meters.

- Weatherproof.
- Rugged for untended field or urban operation.
- Accurate.
- Cosine corrected.
- Battery powered.



LAMBDA Instruments Corp.

P.O. Box 4425 / Lincoln, Nebraska 68504 U.S.A.
Phone (402) 467-3576

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A preliminary study of remote sensor applications to local weather services (NOAA-TR-ERL-330-WPL-40, COM-75-11046, Roger S. Rhodes, 39 pp., \$3.75 paper copy, \$2.25 microfiche from NTIS, above, paper copy also available as C55.13 330-WPL 40 from GPO, above).

National Weather Service communications handbook no. 4: Index numbers for North and Central America, 2nd edition (Office of Technical Services Communications Division, May 1975, 60 pp., for information contact: Office of Technical Services, Communications Division, National Weather Service, NOAA, 8060 13th St., Gramax Building, Silver Spring, Md. 20910).

Remote sensing: energy-related studies (T. Nejat Veziroglu, editor, 491 pp., \$39.50 hardbound, from Halsted Press, see

above) contains the proceedings of a symposium held in Miami, Fla., December 1974, with sections on atmospheric and hydrospheric measurements; active sensor applications (uses of weather radar, lidar, microwave sensing, laser); land use monitoring; environmental quality monitoring (remote sensing of air pollutants, vegetational resources, thermal pollution, and applications to numerical modeling); special topics; and workshop reports.

Test and evaluation of a real-time simulated transcontinental supersonic boomless flight system, volume 1: main text and appendix A (FAA-RD-75-131, 1, Robert C. Bundgaard, 1975, 235 pp., n.p., paperbound, from NTIS, above) reports an investigation in which numerical methods simulated supersonic flight carried out in real-time and concurrently at present time. A computer program identifies, acquires, analyzes, and predicts the information needed in order to plan, execute, and verify boomless flight.

Theophrastus: De Ventis (Victor Coutant and Val L. Eichenlaub, editors, translators, and commentators, 1975, 105 pp., \$9.95 hardbound, from University of Notre Dame Press, Notre Dame, Ind. 46556) is a new English version of the *De Ventis* of Theophrastus with discussions of his meteorological data and theories. Theophrastus' short treatise contains observations of the weather around 300 B.C. in the eastern Mediterranean.

A short course in cloud physics (International Series in Natural Philosophy, Vol. 84, R. R. Rogers, 1975, 224 pp., \$14.50/£6.50, from Pergamon Press, Fairview Park, Elmsford, N.Y. 10523 or Headington Hill Hall, Oxford OX3 0BW, England) is intended for university students with little previous exposure to the field of meteorology. The book deals with the following topics: thermodynamics of dry air; water vapor and its thermodynamic effects; static stability and parcel buoyancy; mixing and convection; formation of cloud droplets; droplet growth by condensation; initiation of rain in non-freezing clouds; formation and growth of ice crystals; rain and snow; weather radar; precipitation processes; severe storms and hail; weather modification; and numerical cloud models.

Corrigendum

The last sentence of the announcement of the book *Short Period Climatic Variations. Collected Works of J. Namias, 1934 through 1974, Volumes 1 and 2* is in error (see BULLETIN, 56, p. 617). The sentence should read: "Since 1959 [not 1972] his research has been concerned primarily with the problem of long-term atmospheric anomalies resulting from oceanic coupling."