

BIBLIOGRAPHY.

This Bibliography contains most of the papers on astronomical, meteorological and optical problems connected with seeing and site testing from the years 1949-1962. Earlier papers can be found in the report of NETTELBLAD, *Lund Medd.*, II, No. 130, 1953.

A. — *Textbooks and Reports.*

- Arid Zone Programme* (UNESCO-Australia Symposium on Arid Zone Climatology with Special Reference to Microclimatology, Canberra, October 1956; UNESCO, Department of Natural Sciences, 1956).
- Atlas international des Nuages*, Organisation Météorologique Mondiale, 1956.
- G. K. BATCHELOR, *The Theory of Homogeneous Turbulence*, Cambridge University Press, 1953.
- F. A. BROOKS, *An Introduction to Physical Microclimatology*, University of California, Davis, Cal., 1959.
- Sir David BRUNT, *Physical and Dynamical Meteorology*, Cambridge University Press, 1939.
- Cartes régionales des réseaux d'observations météorologiques*. Régions I, II, III, IV, V et VI (Organisation Météorologique Mondiale, No. 56, T. P. 24, 34, 36, 33 et 22, 1^{re} éd.).
- Lev. A. CHERNOV, *Wave Propagation in a Random Medium*, Mc Graw-Hill Book Company, New York, 1960. Translated by R. A. SILVERMAN.
- E. L. DEACON, C. H. B. PRIESTLEY, and W. C. SWINBANK, *Evaporation and the Water Balance* (UNESCO, Department of Natural Sciences, 1956).
- A. DEFANT, and Fr. DEFANT, *Physikalische Dynamik der Atmosphäre* (Akademische Verlagsgesellschaft, Frankfurt-am-Main, 1958).
- A. J. DRUMMOND, *Radiation and the Thermal Balance* (UNESCO, Department of Natural Sciences, 1956).
- R. GEIGER, *Das Klima der bodennahen Luftschichten*, 4. Aufl., Braunschweig 1960.
- M. GELEAD, and N. ROSENAN, *Climatological Observational Requirements in Arid Zones* (UNESCO, Department of Natural Sciences, 1956).
- H. HEASTLE, and P. M. STEPHENSON, *Upper Winds Over the World*, Part and II (Meteorol. Off., Geophys. Memoirs, No. 103, London, 1960).
- A. N. KOLMOGOROV, A. M. OBUCHOV, A. M. JAGLOM, and A. S. MONIN, *Sammelband zur Statistischen Theorie der Turbulenz*. Dr. Herbert GOERING (German Translation). Akademie-Verlag, Berlin, 1958.

- Z. KOPAL, Ed., *Proceedings of a Symposium on Astronomical Optics and Related Subjects Held in the University of Manchester, April 19th-22nd, 1955* (Amsterdam, North-Holland Publ. Co., 1956).
- G. P. KUIPER, *Photographic Lunar Atlas*, University of Chicago Press, 1960.
- H. H. LETTAU, and B. DAVIDSON, *Exploring the Atmosphere's First Mile*, vol. I and II, Pergamon Press, London, 1957.
- A. B. MEINEL, *Astronomical Seeing and Observatory Site Selection. Stars and Stellar Systems* (ed. Kuiper and Middlehurst), vol. I (*Telescopes*), p. 154-175, Chicago, 1960.
- Messages météorologiques*, Organisation Météorologique Mondiale (*Nomenclature des stations*, vol. A).
- R. MEYER, *Atmosphärische Strahlenbrechung*, Linke-Möller (*Handb. d. Geophysik*, VIII, Kap. 13, Borntraeger, Berlin, 1956).
- W. E. K. MIDDLETON, *Vision Through the Atmosphere*. In : *Handb. d. Physik* (ed. S. Flügge), 48, *Geophysik*, II, p. 254-287, Springer-Verlag, Berlin, Göttingen, Heidelberg, 1957.
- F. MÖLLER, *Strahlung in der unteren Atmosphäre*. In : *Handb. d. Physik* (ed. S. Flügge), 48, *Geophysik*, II, p. 155-253, Springer-Verlag, Berlin, Göttingen, Heidelberg, 1957.
- F. NETTELBLAD, *Studies of Astronomical Scintillation. Results from Photoelectric Observations* (*Lund Meddelande*, II, No. 130, 1953).
- C. H. B. PRIESTLEY, *Turbulent Transfer in the Lower Atmosphere*, University of Chicago Press, 1959.
- Proceedings of the Symposium on Solar Seeing*, Rome, 20-25 February 1961; Roma, 1961, Consiglio Nazionale delle Richerche.
- E. R. REITER, *Meteorologie der Strahlströme (Jet-Streams)*, Springer-Verlag, Wien, 1961.
- K. SCHNEIDER-CARIUS, *Die Grundsicht der Troposphäre*, Akadem. Verlagsges. Geest u. Portig K.-G., Leipzig, 1953.
- R. S. SCORER, *Natural Aerodynamics. International Series of Monographs on Aeronautical Sciences and Space Flight*. Division II : *Aerodynamics*, vol. I, Pergamon-Press, 1958.
- J. STOCK, and G. KELLER, *Astronomical Seeing. Stars and Stellar Systems* (ed. Kuiper and Middlehurst), vol. I (*Telescopes*), p. 138-153. Chicago, 1960.
- O. G. SUTTON, *Micrometeorology : A Study of Physical Processes in the Lowest Layers of the Earth's Atmosphere*, New York, Toronto, London, Mc Graw-Hill Book Co., 1953.
- O. G. SUTTON, *Atmospheric Turbulence (Methuen's Monographs on Physical Subjects*, 2nd. ed., 1955).
- V. I. TATARSKI, *Wave Propagation in a Turbulent Medium*, Mc Graw-Hill Book Co., 1961. Translated from the Russian by R. A. SILVERMAN.
- V. I. TATARSKI, Ed., *Atmospheric Turbulence (Russian)* (*Trudy Inst. fiz. Atmosph.*, No. 4, Akad. Nauk S. S. S. R., Moscow, 1962).

- G. B. TUCKER, *Upper Winds Over the World. Part III* (Meteorol. Off., *Geophys. Memoirs*, No. 105, London, 1960).
- E. VASSY, *Physique de l'atmosphère. II : Phénomènes de réfraction*, Gauthier-Villars, Paris, 1959.

B. — *Original Papers.*

- F. ACKERL, *Der Refraktions-Koeffizient* (*Allg. Vermess.-Nachr.*, No. 11, 1958, p. 323-329).
- A. ADEL, *The Correlation of a Long Series of Precipitable Water Measures at the Atmospheric Research Observatory with Surface Humidity* [Scientific Report HB-4, Contract AF-19 (604)-2177, Air Force Cambridge Research Center, 1958].
- H. AICHELE, *Kleinklimatische Untersuchungen am Wattenberg* (*Meteorol. Rdsch.*, 3, Nos. 1-2, 1950, p. 15-18).
- B. A. AJZENSHTAT, *Quelques traits du régime de rayonnement du bilan thermique et du microclimat d'un col de montagne* (Russian) (*Meteorol. Gidrol.*, No. 3, 1962, p. 27-32).
- K. AKASHI, O. OGINO, and N. KANTO, *The Thermistor Anemometer* (*Mitsubishi Denki Lab.*, Rep. 2, No. 4, 1961, p. 439-466).
- F. ALBRECHT, *Mikrometeorologische Temperaturmessungen vom Flugzeug aus* (*Ber. dtsch. Wetterdienstes U. S.-Zone*, No. 38, 1952, p. 332-339).
- F. AMBROSETTI, and J. C. THAMS, *Die Grösse der Globalstrahlung verschieden orientierter Flächen* (*Actes Soc. helv. Sc. nat.*, 133, 1954, p. 82).
- A. D. ANDERSON, *Free-air Turbulence* (*J. Meteorol.*, 14, No. 6, 1957, p. 477-494).
- J. K. ANGELL, and D. H. PACK, *Analysis of Lowlevel-Constant Volume Balloon (Tetroon) Flights from Wallops Island* (*J. atmosph. Sc.*, 19, No. 1, 1962, p. 87-98).
- P. V. ANGUS-LEPPAN, *A Study of Refraction in the Lower Atmosphere* (*Emp. Surv. Rev.*, 16, No. 120, 1961, p. 62-69).
- P. V. ANGUS-LEPPAN, *A Study of Refraction in the Lower Atmosphere* (*Emp. Surv. Rev.*, 16, No. 122, 1961, p. 166-177).
- H. ARAKAWA, *Clear-Air Turbulence Near the Jet-Stream* (*Quart. J. roy. meteorol. Soc.*, 79, No. 339, 1953, p. 162-163).
- H. ARAKAWA, *Clear-Air Turbulence Associated with Negative Vertical Wind Shear* (*J. Meteorol.*, 14, No. 2, 1957, p. 188-189).
- H. ARAKAWA, *Possible Criteria of an Explanation of the Phenomenon of Clear-Air Turbulence Encountered by Aircraft* (*Papers Meteorol. Geophys.*, 9, No. 1, 1958, p. 25-28).
- E. V. ASHBURN, *The Measurement of Light Scattered from a Searchlight Beam* (*Bull. amer. Phys. Soc.*, 27, No. 6, 1952, p. 12).
- Atmospheric Turbulence.* In : *Centenary Proceedings of the Royal Meteorological Society*, 1950 (London, Roy. meteorol. Soc., 1950, p. 249-253).

- H. S. AYER, *The Wind Profile at the Crest of a Large Ridge* (*Monthly Weather Rev.*, 88, No. 1, 1960, p. 19-23).
- H. W. BABCOCK, *The Possibility of Compensating for Astronomical Seeing* (*Publ. astron. Soc. Pacific*, 65, 1953, p. 229-236).
- H. W. BABCOCK, *Deformable Optical Elements with Feedback* (*J. Opt. Soc. Amer.*, 48, No. 7, 1958, p. 500).
- G. BAHNERT, *Untersuchungen des Einflusses des Beobachters, der Temperatur und des Zustandes der Atmosphäre auf die optische Präzisionsdistanzmessung* (*Vermessungstechnik*, 7, No. 5, 1959, p. 127-128).
- M. E. BALZER, *Clear-Air Turbulence* (*Bull. amer. meteorol. Soc.*, 39, No. 7, 1958, p. 378).
- J. K. BANNON, *Variation du vent à la verticale* (*Weather*, 5, No. 2, 1950, p. 66).
- J. K. BANNON, *Turbulence at High Altitude : A Further Meteorological Analysis* (*Meteorol. Mag.*, 80, No. 953, 1951, p. 331-332).
- J. K. BANNON, *Severe Turbulence Encountered by Aircraft Near Jet-Streams* (*Meteorol. Mag.*, 80, No. 951, 1951, p. 262-268).
- J. K. BANNON, *Meteorological Aspects of Turbulence Affecting Aircraft at High Altitude* (*Meteorol. Off., Profess. Notes*, No. 104, 1951).
- T. K. BANNON, and G. S. HISLOP, *Jet-Stream and Clear Air Turbulence* (*Tellus*, 4, No. 4, 1952, p. 385-387).
- J. K. BANNON, *Weather Systems Associated with Some Occasions of Severe Turbulence at High Altitude* (*Meteorol. Mag.*, 81, No. 958, 1952, p. 97-101).
- M. L. BARAD, and D. A. HAUGEN, *A Preliminary Evaluation of Sutton's Hypothesis for Diffusion from a Continuous Point Source* (*J. Meteorol.*, 16, No. 1, 1959, p. 12-20).
- G. BARBÉ, *Sur l'étude expérimentale des courants-jets atmosphériques* (*C. R. Acad. Sc.*, 247, 1958, p. 230-233).
- D. BARBIER, *La Terre et le système solaire. I : La Terre. II : L'atmosphère et l'observation astronomique*. In : *Encyclopédie française*, III : *Le Ciel et la Terre*, Paris, Soc. nouv. Encyclopédie fr., 1956.
- A. BARONI, *La turbulence aux hautes altitudes* (Italian) (*Riv. Meteorol. aeronaut.*, 19, No. 4, 1959, p. 37-40).
- Ph. E. BARNHART, W. M. PROTHEROE, and J. GALLI, *Direct Observation of Element Motion in Stellar Shadow Patterns* (*J. Opt. Soc. Amer.*, 46, No. 10, 1956, p. 904-905).
- Ph. E. BARNHART, G. KELLER and W. E. MITCHELL, Jr., *Investigation of Upper Air Turbulence by the Method of Analyzing Stellar Scintillation Shadow Patterns* [Final Technical Report, Contract AF-19 (604), 1954; Air Force Cambridge Research Center Geophysics Research Directorate, Laurence G. Hanscom Field, Bedford, Mass., 1959].
- E. W. BARRETT, and V. E. SUOMI, *Preliminary Report on Temperature Measurement by Sonic Means* (*J. Meteorol.*, 6, No. 4, 1949, p. 273-276).

- G. K. BATCHELOR, *The Application of the Similarity Theory of Turbulence to Atmospheric Diffusion* (*Quart. J. roy. meteorol. Soc.*, 76, No. 328, 1950, p. 133-146).
- G. K. BATCHELOR, *The Application of the Similarity Theory of Turbulence to Atmospheric Diffusion* (*Quart. J. roy. meteorol. Soc.*, 77, No. 332, 1951, p. 315-317).
- Fr. M. BATESON, *Site Testing in New Zealand* (*Sky and Telescope*, 24, No. 1, 1962, p. 4-9).
- L. J. BATTAN, *Energy of a Dust Devil* (*J. Meteorol.*, 15, No. 2, 1958, p. 235-237).
- J. R. BAUER, and J. H. MEYER, *Microvariations of Water Vapor in the Lower Troposphere with Applications to Long-Range Radio Communications* (*Trans. Amer. Geophys. Un.*, 39, No. 4, 1958, p. 624-631).
- W. A. BAUM, *Note on the Theory of Super-Autoconvective Lapse Rates Near the Ground* (*J. Meteorol.*, 8, No. 3, 1951, p. 196-198).
- W. A. BAUM, and A. COURT, *Research Status and Needs in Microclimatology* (*Trans. Amer. Geophys. Un.*, 30, No. 4, 1949, p. 488-493).
- W. A. BAUM, *Counting Photons — One by One* (*Sky and Telescope*, 14, 1955, p. 264-266 and 330-334).
- C. J. BECK, D. J. LOVELL, and E. O. HULBURT, *Atmospheric Attenuation at Khartoum, Sudan* (*J. Opt. Soc. Amer.*, 43, No. 5, 1953, p. 405-406).
- R. A. BECKER, *Effects of Atmospheric Turbulence on Optical Instrumentation* (*I. R. E. Trans. milit. Electron.*, 5, No. 4, 1961, p. 352-356).
- N. A. BELJAEV, *Sur la détermination de la réfraction astronomique* (Russian) (*Astr. Zh. S. S. S. R.*, 32, No. 6, 1955, p. 555-562).
- M. BÉRENGER et HEISSAT, *Contribution à l'étude de la variation saisonnière des jets* (*Météorologie*, No. 53, 1959, p. 11-43).
- H. BERG, *Kleinmeteorologische Messungen im Hohen Venn* (*Z. Meteorol.*, 5, Nos. 7-8, 1951, p. 229-235).
- H. BERG, *Mikrometeorologische Messungen am Rande von Wasserflächen* (*Phys. Verhdlg.*, 3, No. 6, 1952, p. 131-132).
- H. BERG, *Mikroklimatische Beobachtungen am Rande einer Wasserfläche* (*Ann. Meteorol.*, 5, Nos. 7-12, 1952, p. 227-235).
- P. G. BERGMANN, *Propagation of Radiation in a Medium with Random Inhomogeneities* (*Phys. Rev.*, 70, 1946, p. 485).
- O. S. BERLJAND, *Théorie précisée de la variation de 24 h de la température de l'air avec prise en considération de la modification du coefficient de la conduction thermique turbulente en 24 h* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geogr. geofiz., 14, No. 1, 1950, p. 70-81).
- O. S. BERLJAND, *Au sujet d'une solution fermée d'une équation de la diffusion turbulente* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 130, No. 3, 1960, p. 526-529).
- F. BERNOT, *Temperaturinversion im unteren Teil des Ljubljana-Beckens* (*Ber. dtsch. Wetterdienstes*, 8, No. 54, 1959, p. 194-196).

- Ju. I. BERUCHKA, *Calcul des erreurs dans la détermination de la valeur quadratique moyenne de l'agitation des étoiles à partir de leurs traînées* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 21, No. 6, 1960, p. 30-37).
- A. C. BEST, E. KNIGHTING, R. H. PEDLOW, and K. STORMONT, *Temperature and Humidity Gradients in the First 100 m over South-East England* (*Geophys. Mem.*, 11, No. 89, 1952).
- A. C. BEST, and E. C. FIELDER, *Short-period Variations in Visibility* (*Meteorol. Mag.*, 89, No. 1051, 1960, p. 42-45).
- R. BETCHOV, *Some Suggestions for Experimental Studies of Atmospheric Turbulence*, Summary (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3111-3112).
- O. BJORGUM, *Note on the Derivation of the Logarithmic Velocity Profile* (*Quart. J. roy. meteorol. Soc.*, 78, No. 335, 1952, p. 89-90).
- O. BJORGUM, *On the Velocity, Temperature and Humidity Profiles in the Lower Atmosphere* (*Quart. J. roy. meteorol. Soc.*, 79, No. 339, 1953, p. 84-93).
- A. K. BLACKADAR, *A Survey of Wind Characteristics below 1500 feet* (*Meteorol. Monogr.*, 4, No. 22, 1960, p. 3-11).
- A. K. BLACKADAR, *The Vertical Distribution of Wind and Turbulent Exchange in a Neutral Atmosphere* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3095-3102).
- W. BLEEKER, and M. J. ANDRÉ, *Les phénomènes convectifs dans l'atmosphère* (*J. Meteorol.*, 7, No. 3, 1950, p. 195-209).
- A. H. de BOER, *De vliegende schaduwen bij de zonsverdinstering van 2 oktober 1959* (*Hemel en Dampkring*, Nederl., 57, No. 11, 1959, p. 269-270).
- V. BOICO, *Unele consideratii privind observatiile astroclimatului* (*Commun. Acad. Republ. popul. române*, 9, No. 4, 1959, p. 309-313).
- B. J. BOK, *Conditions for Photoelectric Research at the Boyden and Agassiz Stations of Harvard Observatory*. In : *Astronomical Photoelectric Conference*, Lowell Obs., Flagstaff, Arizona, August 31-September 1, 1953, Indiana U., J. B. Irwin, p. 93-96.
- B. J. BOK, *Conditions for Photoelectric Research at the Boyden and Agassiz Stations of Harvard Observatory* (*Astr. J.*, 60, No. 1, 1955, p. 29-30).
- B. J. BOK, "Seeing" as a Factor in the Selection of a Site for a Photoelectric Observatory. In : *Astronomical Photoelectric Conference*, Lowell Obs., Flagstaff, Arizona, August 31-September 1, 1953, Indiana U., J. B. Irwin, p. 119-122.
- B. J. BOK, Seeing as a Factor in the Selection of a Site for a Photoelectric Observatory (*Astr. J.*, 60, No. 1, 1955, p. 32).
- B. J. BOK, A Search for New Observatory Sites in Australia (*J. roy. astr. Soc. Canada*, 54, No. 6, 1960, p. 257-268).
- N. G. BOLDYREV, *Précision des mesures de visibilité* (Russian) (*Izvest. Akad. Nauk S. S. R.*, Otdel. tekhn. No. 12, 1951, p. 1786-1791).

- R. BOLGIANO, Jr., *The Spectrum of Turbulent Mixing and its Application to Scatter Propagation* (*Inst. Radio Engr. Trans.*, A. P., 5, No. 3, 1957, p. 326).
- R. BOLGIANO, Jr., *On the Role of Convective Transfer in Turbulent Mixing* (*J. Geophys. Res.*, 63, No. 4, 1958, p. 851-853).
- R. BOLGIANO, Jr., *Turbulent Spectra in a Stably Stratified Atmosphere* (*J. Geophys. Res.*, 64, No. 12, 1959, p. 2226-2229).
- R. BOLGIANO, Jr., *Structure of Turbulence in Stratified Media* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3015-3024).
- B. BONIFACINO, *Nuova ricerca sulla rifrazione laterale* (*Riv. Catast. Serv. tec. erariali*, 7, No. 1, 1952, p. 5-9).
- B. BONIFACINO, *Studio meteorologico del coefficiente di rifrazioni marino a Bari-Polese* (*Riv. Catast. Serv. tec. erariali*, 7, No. 2, 1952, p. 82-87).
- B. BONIFACINO, *Un coup d'œil sur les recherches relatives à la réfraction terrestre en Italie pendant un demi-siècle* (*Riv. Catast. Serv. tec. erariali*, 12, No. 3, 1957, p. 153-157).
- H. G. BOOKER, J. A. RATCLIFFE, and D. H. SHINN, *Diffraction from an Irregular Screen with Application to Ionospheric Problems* [*Trans. Roy. Soc. (London)*, Ser. A, 242, 1950, p. 579-607].
- R. E. BOOTH, *Temperature Gradient at Blackpool* (*Meteorol. Mag.*, 88, No. 1042, 1959, p. 110-111).
- J. BORGMAN, *Site-Testing for New Observatories* (*Observatory*, 79, No. 913, 1959, p. 219).
- N. A. BOSHNIJAKOVITCH, N. V. BYSTROVA, A. N. DEMIDOV, L. N. ZHUKOVA, V. V. KASSINSKY, and K. A. EERME, *Stellar Image Motion at Four Points of the Caucasus* (Russian) (*Izvest. glavn. astr. Pulkovo*, 22, No. 170, 1962, p. 155-156).
- M. L. BOUDYKO, *Indices climatiques d'aridité*. In : *Essais de Géographie (Rec. des art. pour le 18^e Congr. internation. géogr.)*, Moscou, Leningrad, Acad. Sc. U. R. S. S., 1956, p. 142-149).
- R. BOUTET, *Enregistrement photoélectrique de la scintillation des étoiles* (*Ann. Géophys.*, 5, No. 4, 1949, p. 310-312).
- R. BOUTET, *Sondage optique de l'atmosphère par mesure de la scintillation* (*Ann. Géophys.*, 6, No. 4, 1950, p. 322-330).
- V. M. BOVSHEVEROV, A. S. GURVICH, and L. R. CVANG, *Mesures directes du flux turbulent de la chaleur dans la couche atmosphérique proche de la Terre* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 125, No. 6, 1959, p. 1242-1245).
- V. M. BOVSHEVEROV, A. S. GURVICH, A. S. MONIN, and L. R. CVANG, *The Direct Measurements of the Turbulent Heat Flux by Means of an Ultrasonic Anemometer*. In : *XIIth Gen. Assembly internation. Ass. Meteorol. atmosph. Physics*, Helsinki, 1960, *Rep. Proc.*, London, Publ. I.A.M.A.P. No. 12/b, 1960, p. 94.
- C. BOYER, *La turbulence au Dahomey pendant la saison sèche 1953-1954* (*Astronomie*, 68, 1954, p. 396-397).

- C. BOYER, *Étude comparative de la turbulence au Pic du Midi, Cotonou, Brazzaville, Toulouse, Mont-Louis et Auch* (*Astronomie*, 72, 1958, p. 379-380).
- R. J. BRAY, R. E. LOUGHHEAD, and D. G. NORTON, *A Seeing Monitor to Aid Solar Observation* (*Observatory*, 79, 1959, p. 63-65).
- G. W. BRIER, *The Statistical Theory of Turbulence and The Problem of Diffusion in the Atmosphere* (*J. Meteorol.*, 7, No. 4, 1950, p. 283-290).
- G. W. BRIER, *On Atmospheric Pollution. The Statistical Theory of Diffusion by Turbulent Eddies* (*Meteorol. Monogr.*, 1, No. 4, 1951, p. 15-19).
- J. BRIGGS, *Turbulence Associated with a Jet-Stream* (*Meteorol. Mag.*, 81, No. 958, 1952, p. 119-120).
- K. BROCKS, *Die terrestrische Refraktion, ein Grenzgebiet der Meteorologie und Geodäsie* (*Ann. Meteorol.*, 1, 1948, p. 329-336).
- K. BROCKS, *Ueber den tägl. und jährl. Gang der Höhenabhängigkeit der Temperatur in den untersten 300 m der Atmosphäre und ihren Zusammenhang mit der Konvektion* (*Ber. dtsch. Wetterdienstes U. S.-Zone*, 1, No. 5, 1948).
- K. BROCKS, *Die Höhenabhängigkeit der Lufttemperatur in der nächtlichen Inversion* (*Meteorol. Rdsch.*, 2, 1949, p. 159-167).
- K. BROCKS, *Ueber vertikale Luftdichtezunahme in Bodennähe* (*Meteorol. Rdsch.*, 2, 1949, p. 227-229).
- K. BROCKS, *Temperatur und Austausch in der untersten Atmosphäre* (*Ber. dtsch. Wetterdienstes U. S.-Zone*, 2, No. 12, 1950, p. 166-170).
- K. BROCKS, *Austauschprobleme über dem Meer* (*Phys. Verhdlg.*, 3, No. 6, 1952, p. 142-143).
- K. BROCKS, *Eine räumlich integrierende optische Methode für die Messung vertikaler Temperatur und Wasserdampfgradienten in der untersten Atmosphäre* (*Arch. Met.*, Ser. A, 6, 1954, p. 370-402).
- D. L. BROCKS, *A Tabular Method for the Computation of Temperature Change by Infrared Radiation in the Free Atmosphere* (*J. Meteorol.*, 7, No. 5, 1950, p. 313-321).
- F. A. BROOKS, and C. F. KELLY, *Instrumentation for Recording Micro-climatological Factors* (*Trans. amer. geophys. Un.*, 32, No. 6, 1951, p. 833-848).
- F. A. BROOKS, *Need for Measuring Horizontal Gradients in Determining Vertical Eddy Transfers of Heat and Moisture* (*J. Meteorol.*, 18, No. 5, 1961, p. 589-596).
- F. A. BROOKS, and H. B. SCHULTZ, *Observations and Interpretation of Nocturnal Density Currents* (*Proc. Canberra Symposium*, 1956, p. 272-277; UNESCO, Paris, 1958).
- R. E. BROWN, *Meteorological Range Meters, MK II and MK III* (*J. amer. Soc. nav. Engrs.*, 63, No. 1, 1951, p. 95-98).
- J. P. BRUCE, D. V. ANDERSON, and G. K. RODGERS, *Temperature, Humidity and Wind Profiles over the Great Lakes*. In : *Proc. 4th Conf. Great Lakes Res.*, Ann Arbor, Mich., 1961, p. 65-70).

- C. E. BUELL, *The Structure of Two-Point Wind Correlations in the Atmosphere* (*J. Geophys. Res.*, 65, No. 10, 1960, p. 3353-3366).
- A. F. BUNKER, *Diffusion, Entrainment and Frictional Drag Associated with non Saturated, Buoyant Air Parcels Rising Through a Turbulent Air Mass* (*J. Meteorol.*, 10, No. 3, 1953, p. 212-218).
- A. F. BUNKER, *Turbulence and Shearing Stresses Measured over the North Atlantic Ocean by an Air-Plane-Acceleration Technique* (*J. Meteorol.*, 12, No. 5, 1955, p. 445-455).
- R. H. BUSHNELL, and P. O. HUSS, *A Power Spectrum of Surface Winds* (*J. Meteorol.*, 15, No. 2, 1958, p. 180-183).
- R. H. BUSHNELL, and P. O. HUSS, *A Power Spectrum of Surface Winds* (*J. Meteorol.*, 15, No. 6, 1958, p. 501).
- J. A. BUSINGER, *On the Structure of the Atmospheric Surface Layer* (*J. Meteorol.*, 12, No. 6, 1955, p. 553-561).
- J. A. BUSINGER, and V. E. SUOMI, *Variance Spectra of the Vertical Wind Component Derived from Observations with the Sonic Anemometer at O'Neill, Nebraska in 1953* (*Arch. Meteorol. Geophys. Bioklimatol.*, Ser. A, 10, No. 4, 1958, p. 415-425).
- J. A. BUSINGER, *On the Relation Between the Spectrum of Turbulence and the Diabatic Wind Profile* (*J. Geophys. Res.*, 66, No. 8, 1961, p. 2405-2409).
- H. E. BUTLER, *Recordings of Scintillation* (*Observatory*, 70, No. 859, 1950, p. 235-237).
- H. E. BUTLER, *Photo-Electric Observations of the Scintillation of Stars* (*Nature*, 167, No. 4242, 1951, p. 287-288).
- H. E. BUTLER, *Further Recordings of Stellar Scintillation* (*Observatory*, 71, No. 860, 1951, p. 28-30).
- H. E. BUTLER, *Observations of Stellar Scintillation* (*Proc. roy. Irish Acad.*, Sect. A, 54, No. 20, 1952, p. 321-340).
- H. E. BUTLER, *Observations of Stellar Scintillation* (*Quart. J. roy. meteorol. Soc.*, 80, No. 344, 1954, p. 241-245).
- N. V. BYSTROVA, *Résultats de la détermination de l'agitation atmosphérique par la méthode de Couder-Strömgren à Pulkovo en 1957-1958* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 21, No. 6, 1960, p. 38-51).
- N. V. BYSTROVA, and A. N. DEMIDOVA, *Influence de l'agitation atmosphérique sur les images du Soleil* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 22, No. 4, 1961, p. 89-98).
- J. M. CABORN, *The Influence of Shelter-Belts on Microclimate* (*Quart. J. roy. meteorol. Soc.*, 81, No. 347, 1955, p. 112-115).
- G. CASPERON, *Untersuchungen über den Einfluss von Windschutzanlagen auf den standörtlichen Wärmehaushalt* (*Angew. Meteorol.*, 2, No. 11, 1957, p. 339-351).
- F. DU CASTEL, *Étude des variations de l'indice de réfraction à partir des sondages météorologiques et applications à la propagation des ondes ultracourtes*. In : *Colloque Propagation*, Paris, septembre 1956.

- F. DU CASTEL, P. MISME, and J. VOGÉ, *Étude physique du feuilletage dans l'atmosphère*. In : *Electromagn. Wave Propag. Internation. Conf.*, Brussels, 1958. London; New York, Academic Press, 1960, p. 591-601).
- S. CHANDRASEKHAR, *A Statistical Basis for the Theory of Stellar Scintillation* (*Monthly Not. roy. astron. Soc.*, 112, 1952, p. 475-483).
- H. CHARNOCK, *Note on Eddy Diffusion in the Atmosphere between 1 and 2 km* (*Quart. J. roy. meteorol. Soc.*, 77, No. 334, 1951, p. 654-658).
- H. CHARNOCK, J. R. D. FRANCIC, and P. A. SHEPPARD, *Medium-Scale Turbulence in the Trade Winds* (*Quart. J. roy. meteorol. Soc.*, 81, No. 350, 1955, p. 634-635).
- H. CHARNOCK, *Notes on the Specification of Atmospheric Turbulence* (*J. roy. statist. Soc.*, Ser. A, 120, No. 4, 1957, p. 398-408).
- H. CHARNOCK, *Wind, Temperature and Humidity Gradients Near the Ground* (*Sc. Progr.*, 46, No. 183, 1958, p. 470-486).
- W. S. CHEPIL, and F. H. SIDDOWAY, *Straingage Anemometer for Analyzing Various Characteristics of Wind Turbulence* (*J. Meteorol.*, 16, No. 4, 1959, p. 411-418).
- M. W. CHIPRONKAR, and P. V. KULKARNI, *The Scintillation of Stars* (*Proc. Indian. Sc. Congr.*, 43, No. 3, 1956, p. 35).
- LIU CHEN-HSING, *The Regularity of the Atmospheric Turbulent Exchange in the Surface Layer* (*Sc. Rec.*, 2, No. 5, 1958, p. 175-181) (China).
- M. P. CHURINOVA, *Experimental Determination of the Turbulence Coefficient from Temperature and Wind Soundings* (Russian) (*Trudy glav. geofiz. Obs.*, No. 63, 1956).
- CHZHAO Bo-LIN, *Coefficient de turbulence dans la couche de frottement* (Russian) (*Sc. sinica*, 6, No. 4, 1957, p. 709-731).
- L. A. CLARENBURG, and C. E. TANG, *Small-Scale Turbulent Diffusion in the Atmosphere* (*Nature*, 190, No. 4772, 1961, p. 248).
- R. D. M. CLARK, *Atmospheric Micro-Oscillations* (*J. Meteorol.*, 7, No. 1, 1950, p. 70-75).
- L. H. CLEAM, *Clear-Air Turbulence Over the United States* (*Aeronaut. Engng. Rev.*, 16, No. 11, 1957, p. 63-68).
- G. M. CLEMENCE, *Astronomical Refraction at Great Zenith Distances* (*Astr. J.*, 56, No. 5, 1951, p. 123-124).
- F. CLIFFORD Jr., H. JOHNSON, and A. WILSON, *Heights of Scintillation Layers in the Earth's Atmosphere* (*Astr. J.*, 60, No. 5, 1955, p. 161).
- The Climate of the World. V : Australia and New Zealand* (*Weather*, 7, No. 9, 1952, p. 279-282).
- J. CLODMAN, and W. L. GODSON, *Anisotropic High-Level Turbulence* (*Proc. roy. Soc. Canada*, 50, Appendix C, 1956, p. 23).
- J. CLODMAN, *Anisotropic High-Level Turbulence* (*Quart. J. roy. meteorol. Soc.*, 83, No. 355, 1957, p. 116-120).
- L. CLODMAN, *Turbulence in Clear Air and in Cloud* (World Meteorological Organization, Technical Note No. 38, W. M. O. No. 109, T. P. 47, 1961).

- E. COHEN, *Wind Load on Towers* (*Meteorol. Monogr.*, 4, No. 22, 1960, p. 25-42).
- B. G. COLLINS, *An Instrument for Recording the Frequency Distribution of Mean Hourly Wind Speeds* (*Meteorol. Mag.*, 83, No. 986, 1954, p. 232-234).
- J. H. CONOVER, *A New Combination Anemometer Wind Vane and Wind Direction Recorder for Mount Washington Observatory* (*Bull. amer. meteorol. Soc.*, 32, No. 10, 1951, p. 386-390).
- G. A. CORBY, *The Airflow over Mountains; A Review State of Current Knowledge* (*Quart. J. roy. meteorol. Soc.*, 80, No. 346, 1954, p. 491-521).
- S. CORRSIN, *Progress Report on Some Turbulent Diffusion Research* (*Adv. Geophys.*, 6, 1959, p. 161-164).
- S. CORRSIN, *Lagrangian Correlation and Some Difficulties in Turbulent Experiments* (*Adv. Geophys.*, 6, 1959, p. 441-448).
- S. CORRSIN, *Outline of Some Topics in Homogeneous Turbulent Flow* (*J. Geophys. Res.*, 64, No. 12, 1959, p. 2134-2150).
- A. COUDER, *Les conditions micrométéorologiques de l'observation télescopique : tentative pour les améliorer* (*Publ. Obs. Haute Provence*, 2, No. 53, 1953; *C. R. Acad. Sc.*, 236, 1953, p. 780-782).
- L. COURVOISIER, *Beobachtungen kurzperiodischer Refraktionschwankungen* (*Astr. Nachr.*, 277, Nos. 5-6, 1949, p. 259-263).
- L. COURVOISIER, *Astronomisch festgestellte Auswirkungen von Luftwogen* (*Meteorol. Rdsch.*, 3, Nos. 7-8, 1950, p. 149).
- R. COUTREZ, *Appréciation des qualités générales d'une station astronomique au point de vue de la turbulence et de la transparence atmosphériques* (*Ciel et Terre*, 66, Nos. 11-12, 1950, p. 249-255).
- R. COUTREZ, and L. BOSSY, *Observations astronomiques et géophysiques sur les hauts sommets du Kivu* (*Ann. Obs. roy. Belg.*, 6, No. 5, 1954, p. 135-248).
- C. M. CRAIN, and J. R. GERHARDT, *On a New Method for the Study of Atmospheric Turbulence Near the Earth's Surface* (*J. Meteorol.*, 8, No. 5, 1951, p. 363-365).
- H. E. CRAMER, *Measurements of Turbulence Structure Near the Ground within the Frequency Range from 0.5 to 0.01 c/s* (*Adv. Geophys.*, 6, 1959, p. 75-96).
- H. E. CRAMER, *Use of Power Spectra and Scales of Turbulence in Estimating Wind Loads* (*Meteorol. Monogr.*, 4, No. 22, 1960, p. 11-18).
- O. P. CRAMER, and R. E. LYNOTT, *Cross-Section Analysis in the Study of Windflow over Mountainous Terrain* (*Bull. amer. meteorol. Soc.*, 42 No. 10, 1961, p. 693-702).
- J. F. CROFT, *The Convective Regime and Temperature Distribution Above a Horizontal Heated Surface* (*Quart. J. roy. meteorol. Soc.*, 84, No. 362, 1958, p. 418-427).
- R. M. CUNNINGHAM, *An Observation of Large Temperature Fluctuations in the Free Atmosphere* (*J. Meteorol.*, 7, No. 5, 1950, p. 347-349).
- J. A. CURCIO, and K. A. DURBIN, *Atmospheric Transmission at Three Visible Wavelengths* (*J. Opt. Soc. Amer.*, 49, No. 5, 1959, p. 511).

- L. R. CVANG, *Mesure des spectres fréquentiels des pulsations de température dans la couche basse de l'atmosphère* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 8, 1960, p. 1252-1262).
- A. N. DADAEV, *Choix d'un site pour un observatoire astronomique près de Oulan-Bator* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 21, No., 6 1960, p. 73-82).
- E. F. DANIELSEN, *The Laminar Structure of the Atmosphere and its Relation to the Concept of a Tropopause* (*Arch. Meteorol. Geophys. Bioklimatol.*, Ser. A, 11, No. 3, 1959, p. 293-322).
- A. DANJON, *Vistas in Astronomy*, I, 1955, p. 377.
- Sh. P. DARCHIJA, *Quelques résultats de l'étude du climat au point de vue astronomique fait par les expéditions de l'Observatoire de Pulkovo* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 22, No. 4, 1961, p. 99-113).
- Sh. P. DARCHIJA, *Résultats préliminaires des observations visuelles sur la qualité des images stellaires* (Russian) (*Astr. Cirk., izdav. Bjuro astr. Soobshch. Akad. Nauk S. S. S. R.*, No. 189, 1958, p. 21-24).
- A. Kh. DARCHIJA, L. F. CHMIL, and Sh. P. DARCHIJA, *Études des images stellaires pendant des expéditions en 1956-1958* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 21, No. 6, 1960, p. 52-72).
- D. R. DAVIES, *Turbulence dans les milieux à trois dimensions et évaporation dans la basse atmosphère. I-II* (*Quart. J. Mech. appl. Math.*, 3, No. 1, 1950, p. 51-73).
- D. R. DAVIES, *A Note on the Three-Dimensional Turbulence and Evaporation in the Lower Atmosphere* (*Proc. Roy. Soc., Ser. A*, 202, No. 1068, 1950, p. 96-103).
- D. R. DAVIES, *On the Problem of Diffusion from an Instantaneous Point Source Released at Ground Level into a Turbulent Atmosphere* (*Quart. J. Mech. appl. Math.*, 7, No. 4, 1954, p. 462-467).
- D. E. DAVIES, *Clear Air Turbulence* (*Weather*, 12, No. 7, 1957, p. 233).
- E. L. DEACON, *Radiative Heat Transfer in the Air Near the Ground* (*Austral. J. sc. Res.*, Ser. A, 3, No. 2, 1950, p. 274-283).
- E. L. DEACON, *Vertical Profiles of Mean Wind in the Surface Layers of the Atmosphere* (*Meteorol. Off. Geophys. Memoirs*, 11, No. 91, 1953, p. 5-68).
- E. L. DEACON, *Gust Variation with Height up to 150 m* (*Quart. J. roy. meteorol. Soc.*, 81, No. 350, 1955, p. 562-573).
- E. L. DEACON, *The Turbulent Transfer of Momentum in the Lowest Layers of the Atmosphere* (*Tech. Paper, Div. meteorol. Phys., Commonwealth sc. indust. Res. Organis.*, No. 4, 1955).
- E. L. DEACON, *Wind Profiles and the Shearing Stress: an Anomaly Resolved* (*Quart. J. roy. meteorol. Soc.*, 83, No. 358, 1957, p. 537-540).
- E. L. DEACON, *The Measurement of Turbulent Transfer in the Lower Atmosphere* (*Adv. Geophys.*, 6, 1959, p. 211-228).
- J. W. DEARDORFF, *On the Direction and Divergence of the Small-Scale Turbulent Heat Flux* (*J. Meteorol.*, 18, No. 4, 1961, p. 540-548).

- F. DEFANT, *Ueber die Struktur hochtroposphärischer Düsenströme, insbesondere des subtropischen Strahlstroms über Nordamerika* (*Ber. dtsch. Wetterdienstes*, 4, No. 22, 1956, p. 126-133).
- F. DEFANT, and H. TABA, *The Threefold Structure of the Atmosphere and the Characteristics of the Tropopause* (*Tellus*, 9, No. 3, 1957, p. 259-274).
- M. DEGUILLAUME, *Décroissance de la température de l'air sec en altitude dans la région au vent d'une chaîne de montagnes* (*Météorologie*, No. 18, 1950, p. 117-119).
- R. G. DEISSLER, *Turbulence in the Presence of a Vertical Body Force and Temperature Gradient* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3049-3062).
- R. J. DELAND, *Low-Level Atmospheric Turbulence and Environmental Parameters* (*Dissert. Abstr.*, 20, No. 5, 1959, p. 1835-1836).
- G. A. DEMARRAIS, *Wind-Speed Profiles at Brookhaven National Laboratory* (*J. Meteorol.*, 16, No. 2, 1959, p. 181-190).
- M. DEMAZURA, and J.-J. THÉRY, *Mesure de la Composante Verticale du Vent* (*Notes Établ. Ét. Rech. météorolog.*, No. 82, 1961).
- M. DEMAZURA, *Étude expérimentale du flux turbulent vertical de chaleur dans les basses couches de l'atmosphère* (*Notes Établ. Ét. Rech. météorol.*, No. 91, 1961).
- A. N. DEMIDOV, *Observations de la scintillation stellaire à Pulkovo* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 21, No. 6, 1960, p. 2-11).
- A. N. DEMIDOV, and N. V. BYSTROVA, *Détermination photoélectrique de la dimension des images stellaires* (*Izvest. glavn. astr. Obs. Pulkovo*, 21, No. 6, 1960, p. 12-29).
- F. DÉSI, *Vertical Motion of Isolated Parcels of Air* (Magyar) (*Időjárás*, 64, No. 3, 1960, p. 129-137).
- F. DESSAUER, *Mikroschwankungen des Atmosphärendrucks* (*Helv. phys. Acta*, 24, No. 6, 1951, p. 587-590).
- Developments in the National Optical Astronomy Observatory Project* (*Publ. astr. Soc. Pacific*, 70, No. 412, 1958, p. 107-108).
- J. H. DE WITT Jr., R. H. HARDIE, and C. K. SEYFERT, *A Seeing Compensator employing Television Techniques* (*Bull. amer. Phys. Soc.*, 3, No. 4, 1958, p. 301-302).
- J. H. DE WITT, R. H. HARDIE, and C. K. SEYFERT, *A Seeing Compensator employing Television Techniques* (*Sky and Telescope*, 17, No. 1, 1957, p. 8-9).
- F. H. DIGHT, *Clear-Air Turbulence* (*Meteorol. Mag.*, 88, No. 1046, 1959, p. 246-247).
- E. M. DOBRISHMAN, and N. P. SHAKINA, *Sur la théorie non linéaire des vents locaux dans une atmosphère turbulente* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 2, 1962, p. 233-251).
- A. DOLLFUS, *Observations astronomiques en ballon libre* (*Astronomie*, 73, 1959, p. 345, 411 et 467).

- A. DOLLFUS, *Quelques observations géophysiques et astronomiques effectuées en ballon dans la stratosphère* (*C. R. Acad. Sc.*, 249, 1959, p. 2602-2604).
- J. DOMMANGET, *Le projet de création d'un observatoire européen en Union Sud-Africaine*. Communication de l'Observatoire royal de Belgique No. 141 (*Ciel et Terre*, 74, Nos. 7-8, 1958, p. 305-357).
- A. J. DRUMMOND, and E. VOMINCKEL, *The Distribution of Solar Radiation Throughout Southern Africa* (*J. Meteorol.*, 14, No. 4, 1957, p. 343-353).
- W. A. DRYDEN, *On the Flux of Eddy Energy in Small-Scale Turbulent Motion* (*J. Meteorol.*, 13, No. 5, 1956, p. 433-447).
- W. A. DRYDEN, *Effects of the Scale of Spatial Averaging on the Kinetic Energies of Small-Scale Turbulent Motion* (*J. Meteorol.*, 14, No. 4, 1957, p. 287-292).
- G. DUCROS, and J. SAISSAC, *Mesure du gradient vertical de température* (*Notes Établ. Ét. Rech. météorol.*, No. 43, 1960).
- J. DUFAY, *L'Observatoire de Haute Provence* (*Ann. Bur. Longitudes*, A.1, 1957, p. A.23).
- J. DUGSTAD, *A Generalization of Richardson's Criterion of Turbulence* (*Meteorol. Ann.*, 4, No. 13, 1958, p. 331-350).
- S. Q. DUNTLEY, W. H. CULVER, F. R. CULVER, and R. W. PREISENDORFER, *The Reduction of Contrast by Atmospheric Boil* (*J. Opt. Soc. Amer.*, 42, No. 11, 1952, p. 877).
- S. Q. DUNTLEY, and J. L. HARRIS, *Method for the Measurement of Atmospheric Boil* (*J. Opt. Soc. Amer.*, 47, No. 11, 1957, p. 1056).
- S. Q. DUNTLEY, A. R. BOILEAU, and R. W. PREISENDORFER, *Image Transmission by the Troposphere. I* (*J. Opt. Soc. Amer.*, 47, No. 6, 1957, p. 499-506).
- C. S. DURST, *A Statistical Study of the Variation of Wind with Height* (*Meteorol. Off., Profess. Notes*, 8, No. 121, 1957).
- C. S. DURST, *Measurements of Turbulence in the Free Atmosphere* (*Meteorol. Mag.*, 88, No. 1047, 1959, p. 272-277).
- J. T. DUUN-CHRISTENSEN, *Modellversuche über Konvektionsströmung* (*Ann. Meteorol.*, 5, Nos. 7-12, 1952, p. 373-377).
- A. J. DYER, *Measurements of Evaporation and Heat Transfer in the Lower Atmosphere by an Automatic Eddy Correlation Technique* (*Quart. J. roy. meteorol. Soc.*, 87, No. 373, 1961, p. 401-412).
- B. L. DZERDZÉEVSKY, *Rôle de l'analyse de la circulation atmosphérique générale pour l'établissement des frontières entre les régions arides et humides*. In : *Essais de Géographie* (*Rec. des art. pour le 18^e Congr. internation. géogr.*, Moscou, Léningrad, Acad. Sc. U. R. S. S., 1956, p. 150-156).
- L. E. EBER, *Upper Air and Surface Wind Observations* (*Tellus*, 9, No. 4, 1957, p. 558-568).
- W. W. EHRENCBERG, *Künstliche Geländefärbung als Beispiel für « physikalische Katalyse »* (*Arch. Meteorol. Geophys. Bioklimatol.*, Ser. B, 4, No. 4, 1953, p. 470-482).

- J. VAN EIMERN, *Beeinflussung meteorologischer Grössen durch ein engmaschiges Heckensystem* (*Ann. Meteorol.*, 6, Nos. 7-8, 1953-1954, p. 213-219).
- J. VAN EIMERN, *Ueber Schwankungen der Windschutzwirkung von Hecken und Baumreihen* (*Meteorol. Rdsch.*, 8, No. 718, 1956, p. 122-127).
- J. VAN EIMERN, *Ueber die Veränderlichkeit der Windschutzwirkung einer Doppelbaumreihe bei verschiedenen meteorologischen Bedingungen* (*Ber. dtsch. Wetterdienstes*, 5, No. 32, 1957).
- F. C. ELDER, D. J. PORTMAN, E. RYZNER, and F. R. BELLAIRE, *Some Results of an Investigation on Light-Intensity Scintillation in the Surface Layer of the Atmosphere* (*J. Geophys. Res.*, 65, No. 8, 1960, p. 2487).
- M. G. EL FANDY, *On the Physics of Dusty Atmospheres* (*Bull. Inst. Fouad Ier, Désert d'Égypte*, 1, No. 2, 1951, p. 90-94).
- W. P. ELLIOTT, *An Hypothesis for the Adiabatic Mixing Length* (*J. Meteorol.*, 17, No. 6, 1960, p. 680-681).
- M. A. ELLISON, and R. WILSON, *Photoelectric Recording of Stellar Scintillation* (*Observatory*, 71, No. 860, 1951, p. 26-27).
- M. A. ELLISON, and H. SEDDON, *Some experiments on the Scintillation of Stars and Planets* (*Monthly Not. roy. astr. Soc.*, 112, No. 1, 1952, p. 73-87).
- M. A. ELLISON, *Why Do Stars Twinkle?* (*J. roy. astr. Soc. Canada*, 46, No. 5, 1952, p. 191-194).
- M. A. ELLISON, *Location, Size and Speed of Refractive Irregularities Causing Scintillation* (*Quart. J. roy. meteorol. Soc.*, 80, No. 344, 1954, p. 246-248).
- M. A. ELLISON, *The Effects of Scintillation on Telescopic Images*. In : *Proc. Symposium on Astronom. Optics and Related Subjects*, Manchester, 1955; Amsterdam, North-Holland Publ. Co., 1956, p. 293-299.
- T. H. ELLISON, *The Propagation of Sound Waves Through a Medium with Very Small Random Variations in Index of Refraction* (*J. Atmos. and Terrestrial Phys.*, 2, 1951, p. 14-21).
- T. H. ELLISON, *Turbulent Transport of Heat and Momentum from an Infinite Rough Plane* (*J. Fluid Mech.*, 2, No. 5, 1957, p. 456-466).
- T. H. ELLISON, *Laboratory Measurements of Turbulent Diffusion in Stratified Flows* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3029-3032).
- M. K. ELNESR, *Mesure directe du gradient de l'humidité* (*C. R. Acad. Sc.*, 237, 1953, p. 1271-1272).
- M. K. ELNESR, *Suppression de l'effet électrochimique dans les couples thermoelectriques destinés aux mesures météorologiques* (*Ann. Géophys.*, 10, No. 1, 1954, p. 64).
- M. K. ELNESR, *Profils de l'humidité et de la température au-dessus du gazon court* (*J. sc. Météorol.*, 7, No. 26, 1955, p. 249-253).
- M. K. ELNESR, *Variation verticale de l'indice de réfraction de l'air* (*J. sc. Météorol.*, 7, No. 27, 1955, p. 289-293).
- M. K. ELNESR, *Mesure directe du gradient de l'indice de réfraction de l'air dans la basse atmosphère* (*J. sc. Météorol.*, 8, No. 30, 1956, p. 55-60).

- M. K. ELNESR, *Theory of a Sensitive Scale Fluctuation Refractometer* (*Geofis. pura appl.*, 45, 1960, p. 194-198).
- H. ELSÄSSER, *Extinktionsmessungen am Jungfraujoch* (*Z. Astrophysik*, 35, 1954, p. 36).
- H. ELSÄSSER, *Die Sichtexpedition für die europäische Sternwarte in Südafrika* (*Sterne*, 33, Nos. 3-4, 1957, p. 33-36).
- H. ELSÄSSER, and H. SIEDENTOPF, *Zur Theorie der astronomischen Szintillation. I* (*Z. Astrophysik*, 48, 1959, p. 213-230).
- H. ELSÄSSER, *Zur Theorie der astronomischen Szintillation. II* (*Z. Astrophysik*, 50, 1960, p. 278-295).
- H. ELSÄSSER, *Die Szintillation der Sterne* (*Naturwissenschaften*, 47, 1960, p. 6).
- L. ELTERMANN, *A Series of Stratospheric Temperature Profiles Obtained with the Searchlight Technique* (*J. Geophys. Res.*, 58, No. 4, 1953, p. 519-530).
- R. P. ELY, Jr., *Spectral Analysis of the U Component of Wind Velocity at 3 m* (*J. Meteorol.*, 15, No. 2, 1958, p. 196-201).
- R. M. ENDLICH, S. B. SOLOT, and H. A. THUR, *The Mean Vertical Structure of the Jet-Stream* (*Tellus*, 7, No. 3, 1955, p. 308-313).
- R. M. ENDLICH, and G. S. MC LEAN, *The Structure of the Jet-Stream Core* (*J. Meteorol.*, 14, No. 6, 1957, p. 543-552).
- R. M. ENDLICH, and R. M. RADOS, *The Meteorological Measurements and Field Program of Project Jet-Stream from 1956 to 1958*, Washington, U. S. Dept. Commerce, 1959.
- M. ERIKSON, *A Study of Turbulence and Vertical Motion in the Upper Atmosphere Derived from the Ascensional Rates of Rubber Balloons* (*Geophysica, Meteorol.*, 4, No. 4, 1954, p. 153-179).
- H. ERTEL, *Statistische Thermodynamik des Vertikalen Temperaturgradienten der Atmosphäre*. (*Sitzber. dtsch. Akad. Wissensch.*, Berlin, No. 4, 1953).
- M. A. ESTOQUE, *Some Characteristics of Turbulence at High Altitudes*, Washington, U. S. Dept. Commerce, 1958.
- M. A. ESTOQUE, *A Preliminary Report on a Boundary Layer Numerical Experiment*, Washington, U. S. Dept. Commerce, 1959.
- H. FAUST, *Der Nullschichteffekt als Funktion der Schärfe des Maximums in der vertikalen Windverteilung* (*Meteorol. Rdsch.*, 8, Nos. 3-4, 1955, p. 48-50).
- H. FAUST, *Uebergradientische Winde in der Nullschicht und das Problem der Strahlströme* (*Ann. Meteorol.*, 7, Nos. 1-2, 1955-1956, p. 154-155).
- H. FAUST, *Die Strahlströme als Erscheinungen der Nullschicht* (*Meteorol. Rdsch.*, 7, Nos. 9-10, 1954, p. 161-166).
- R. FAY, *A Note on the Mid-Tropospheric Wind-Maximum* (*Bull. amer. meteorol. Soc.*, 39, No. 7, 1958, p. 360-362).
- G. FEA, *Quelques questions sur la turbulence atmosphérique*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 111-116.

- Y. A. FELDMAN, and L. A. TCHOUBOUKOV, *L'étude du climat des régions arides et extra-arides de l'U. R. S. S. par la climatologie compréhensive*. In : *Essais de Géographie (Rec. des art. pour le 18^e Congr. internat. géogr.)*, Moscou, Léningrad, Acad. Sc. U. R. S. S., 1956, p. 157-163).
- Ja. I. FELDMAN, *Rôle du relief de plaine et des basses régions côtières dans la formation du temps local* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geogr., No. 1, 1959, p. 82-85).
- P. B. FELLGETT, *Stellar Scintillation* (*Quart. J. roy. meteorol. Soc.*, 82, No. 352, 1956, p. 227-231).
- P. FELLGETT, *On Scintillation*. In : *Proceedings of a Symposium on Astronomical Optics*, ed. Z. Kopal, North-Holland Publ. Co., Amsterdam, 1956, p. 334-341.
- V. G. FESENKO, *De la détermination de la transparence de l'atmosphère pendant la nuit* (Russian) (*Astr. Zh. S. S. S. R.*, 33, No. 4, 1956, p. 599-604).
- A. M. FIRESAH, and M. FAHIM, *Measurements of Atmospheric Turbulence Under Desert Conditions* (*Proc. math. phys. Soc. Egypt*, 4, No. 3, 1951, p. 17-28).
- J. FINDLATER, *Test of a Criterion for Determining the Occurrence of Turbulence at High Level* (*Meteorol. Mag.*, 89, No. 1056, 1960, p. 194-198).
- R. G. FLEAGLE, *The Optical Measurement of Lapse Rate* (*Bull. amer. meteorol. Soc.*, 31, 1950, p. 51-55).
- R. G. FLEAGLE, *Radiation Theory of Local Temperature Differences* (*J. Meteorol.* 7, No. 2, 1950, p. 114-130).
- R. G. FLEAGLE, W. H. PARROTT, and M. L. BARAD, *Theory and Effects of Vertical Temperature Distribution in Turbid Air* (*J. Meteorol.*, 9, No. 1, 1952, p. 53-60).
- R. G. FLEAGLE, *The Temperature Distribution Near a Cold Surface* (*J. Meteorol.*, 13, No. 2, 1956, p. 160-165).
- R. G. FLEAGLE, J. W. DEARDORFF, and F. I. BADGLEY, *Vertical Distribution of Wind Speed, Temperature and Humidity Above a Water Surface* (*J. mar. Res.*, 17, 1958, p. 141-157).
- A. FLEISHER, *Some Spectra of Turbulence in the Free Atmosphere* (*J. Meteorol.*, 16, No. 2, 1959, p. 209-211).
- H. FLOHN, *Zur vertikalen Verteilung des Wasserdampfes in der Atmosphäre* (*Z. Meteorol.*, 5, Nos. 5-6, 1951, p. 148-152).
- W. D. FLOWER, *An Investigation into the Variation of the Lapse Rate of Temperature in the Atmosphere Near the Ground at Ismailia, Egypt* (*Geophys. Mem.*, 71, 1937).
- J. FOERCHTGOTT, *The Measurement of Airflow Deformation Behind Mountains* (*Quart. J. roy. meteorol. Soc.*, 81, No. 349, 1955, p. 488-493).
- J. FOERCHTGOTT, *Active Turbulent Layer Downwind of Mountain Ridges* (*Stud. geophys. geodet.*, 1, No. 1, 1957, p. 173-181).
- L. FOITZIK, *Sichtbeobachtung, Sichtmessung* (*Z. Meteorol.*, 5, No. 1, 1951, p. 1-14).

- L. FOITZIK, *Aufgaben und Ergebnisse der Sichtforschung* (*Z. Meteorol.*, 12, Nos. 4-6, 1958, p. 154-157).
- E. M. FOURNIER D'ALBE, *La modification des microclimats*. In : *Arid Zone Programme (UNESCO-Australia Symposium on Arid Zone Climatology with Special Reference to Microclimatology)*, Canberra, October 1956; UNESCO, Department of Natural Sciences, 1956.
- M. G. FRACASTORO, *Limiti della fotometria astronomica* (*Atti Fondaz. Giorgio Ronchi*, 10, No. 3, 1955, p. 149-153).
- M. G. FRACASTORO, *Influenza dell'atmosfera terrestre sulle osservazioni astronomiche* (*Atti Fondaz. Giorgio Ronchi*, 10, No. 6, 1955, p. 492-499).
- M. G. FRACASTORO, and A. REDOLFI, *Studio del seeing di Lojano* (*Atti Fondaz. Giorgio Ronchi*, 14, No. 1, 1959, p. 69-75).
- M. FRANKE, *Die Höhen- und Zeitabhängigkeit des Austauschkoeffizienten in der Bodenschicht* (*Geofis. pura appl.*, 20, 1951, p. 87-130).
- E. FRANKEN, and E. KAPS, *Windschutzuntersuchung Emsland* 1955 (*Ber. dtsch. Wetterdienstes.*, 5, No. 33, 1957).
- E. FRANKEN, *Ueber eine Abhängigkeit der Temperaturverteilung in Strahlungsnächten von Geländeformung und Windrichtung* (*Meteorol. Rdsch.*, 12, No. 1, 1959, p. 25-31).
- E. FRANKENBERGER, *Konvektion durch Ausstrahlung* (*Ann. Meteorol.*, 3, Nos. 7-8, 1950, p. 244-246).
- E. FRANKENBERGER, *Untersuchungen über den Vertikalaustausch in den unteren Dekametern der Atmosphäre* (*Ann. Meteorol.*, 4, 1951, p. 358-374).
- E. FRANKENBERGER, *Ueber vertikale Luftbewegungen in der untersten Atmosphäre* (*Ann. Meteorol.*, 5, 1952, p. 368-372).
- E. FRANKENBERGER, *Eine notwendige Bedingung für die Ausbildung von Konvektion in der bodennahen atmosphärischen Reibungsschicht* (*Naturwissenschaften*, 40, No. 5, 1953, p. 162-163).
- E. FRANKENBERGER, *Messungen der natürlichen Verdunstung über Gras nach verschiedenen Methoden und einige Folgerungen betreffend atmosphärische Turbulenz und Konvektion* (*Ann. Meteorol.*, 6, Nos. 1-2, 1953-1954, p. 5-13).
- E. FRANKENBERGER, *Ueber vertikale Temperatur-, Feuchte- und Windgradienten in den untersten 7 Dekametern der Atmosphäre, den Vertikalaustausch und den Wärmehaushalt an Wiesenboden bei Quickborn-Holstein 1953-1954* (*Ber. dtsch. Wetterdienstes.*, 3, No. 20, 1955, p. 3-17).
- E. FRANKENBERGER, *Zur Anisotropie der atmosphärischen Grenzschichtturbulenz* (*Ann. Meteorol.*, 8, Nos. 3-4, 1957, p. 93-97).
- E. FRANKENBERGER, *Ueber den Vertikalaustausch* (*Beitr. Phys. Atmosph.*, 32, Nos 3-4, 1960, p. 283-299).
- M. FRANSSILA, *Radiation Shield for Microclimatological Measuring of Temperature* (*Geophysica*, 8, No. 1, 1961, p. 85-88).
- L. W. FREDRICK, *Observing Close Binaries Using Image Intensifiers and High-Speed Photography* (*Astr. J.*, 65, 1960, p. 345).

- F. N. FRENKIEL, *Application of the Statistical Theory of Turbulent Diffusion to Micrometeorology* (*J. Meteorol.*, 9, No. 4, 1952, p. 252-259).
- F. N. FRENKIEL, *Frequency Distributions of Velocities in Turbulent Flow* (*J. Meteorol.*, 8, No. 5, 1951, p. 316-320).
- F. N. FRENKIEL, and I. KATZ, *Studies of Small-Scale Turbulent Diffusion in the Atmosphere* (*J. Meteorol.*, 13, No. 4, 1956, p. 388-394).
- C. FRIEDEMANN, *Atmosphärische Extinktion und meteorologische Elemente* (*Sterne*, 30, Nos. 3-4, 1954, p. 54-59).
- D. G. FRIEDMANN, *The Height Variation of Lateral Gustiness and its Effect on Lateral Diffusion* (*J. Meteorol.*, 10, No. 5, 1953, p. 372-379).
- E. M. FRISBY, and F. H. W. GREEN, *Further Notes on Comparative Regional Climatology* (*Inst. brit. Geographers, Trans. Papers* No. 15, 1949-1951, p. 143-151).
- R. FRITH, *Humidity at the Tropopause* (*Weather*, 4, No. 10, 1949, p. 330-331).
- G. FROMENT, *Variation du coefficient de viscosité turbulente avec le gradient thermique vertical* (*J. sc. Météorol.*, 8, No. 28, 1956, p. 17-21).
- R. FURTH, *Statistical Analysis of Scintillation of Stars*. In : *Proc. Symposium on Astronom. Optics and Related Subjects*, Manchester, 1955; Amsterdam, North-Holland Publ. Co., 1956, p. 300-309.
- F. FUSS, *Der Einfluss der Bodenbedeckung auf das Klima des Bodens und der bodennahen Luft* (*Ber. dtsch. Wetterdienstes*, 10, No. 74, 1961).
- A. J. GARDINER, F. GIFFORD, Jr., R. E. MITCHELL, H. L. GICLAS, H. L. JOHNSON, and A. G. WILSON, *Optical Studies of Atmospheric Turbulence*. [A. F. C. R. C.-56-261 Final Report Contract AF-19 (604)-953 (1956) between The Lowell Observatory and the Air Force Cambridge Research Center].
- E. GAVIOLA, *On Seeing, Fine Structure of Stellar Images, and Inversion Layer Spectra* (*Astr. J.*, 54, 1949, p. 155-161; *Obs. Cordoba Tirada Ap.*, No. 34).
- V. F. GAZA, *Choix d'un emplacement pour la construction d'un nouvel observatoire d'Astrophysique en Crimée* (Russian) (*Izvest. Kynask. astrofiz. Obs.*, 3, 1948, p. 99-108).
- W. GEORGII, *Problèmes regardant la structure et la turbulence du jet* (Italian) (*Riv. Meteorol. aeronaut.*, 18, No. 3, 1958, p. 3-17).
- J. R. GERHARDT, *An Example of a Nocturnal Low-Level Jet-Stream* (*J. atmosph. Sc.*, 19, No. 1, 1962, p. 116-118).
- J. R. GERHARDT, W. S. MITCHAM, and A. W. STRAITON, *A 1400-foot Meteorological Tower with Automatic Data Readout*. (*Proc. Inst. Radio Engrs*, 50, No. 11, 1962, p. 2263-2271).
- J. R. GERHARDT, C. M. CRAIN, and H. W. SMITH, *Fluctuation of Atmospheric Temperature as a Measure of the Scale and Intensity of Turbulence Near the Earth's Surface* (*J. Meteorol.*, 9, No. 5, 1952, p. 299-310).
- E. GHERZI, *Some Remarks Concerning the Forecasting of the Location, the Structure and the Turbulence of a Jet-Stream* (*Bull. Geophys.*, No. 5, 1959, p. 3-15).

- F. GIANNI, *Turbolenza, diaframmi e filtri di luce* (*Coelum*, 26, Nos. 5-6, 1958, p. 75-77).
- A. GIAO, and J. ROULLEAU, *Le gradient vertical de température dans les champs barotropes* (*C. R. Acad. Sc.*, 251, 1960, p. 1549-1550).
- F. GIFFORD, Jr., and A. H. MIKESELL, *Atmospheric Turbulence and the Scintillation of Starlight* (*Weather*, 8, No. 7, 1953, p. 195-197).
- F. GIFFORD, Jr., *A Simultaneous Lagrangian-Eulerian Turbulence Experiment* (*Monthly Weather Rev.*, 83, No. 12, 1956, p. 293-301).
- F. GIFFORD, Jr., *The Relation Between Space and Time Correlations in the Atmosphere* (*J. Meteorol.*, 13, No. 3, 1956, p. 289-294).
- F. GIFFORD, Jr., *Relative Atmospheric Diffusion of Smoke Puffs* (*J. Meteorol.*, 14, No. 5, 1957, p. 410-414).
- R. G. GIOVANELLI, *Some Investigations of the Optical Properties of the Atmosphere*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 31-33.
- R. G. GIOVANELLI, *Seeing Problems within Telescopes*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 33-34.
- R. G. GIOVANELLI, *Seeing Monitor Development*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 65-66.
- E. F. GLAZOVA, and D. L. LAJKHTMAN, *Théorie élémentaire d'un évaporateur humidifié et son application à l'étude de la turbulence* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geofiz., No. 3, 1955, p. 278-281).
- T. A. GLEESON, *On the Theory of Cross-Valley Winds Arising from Differential Heating of the Slopes* (*J. Meteorol.*, 8, No. 6, 1951, p. 398-405).
- R. W. GLOYNE, *Radiation Minimum Temperature Over a Grass Surface and Over a Bare-Soil Surface* (*Meteorol. Mag.*, 82, No. 975, 1953, p. 263-267).
- R. W. GLOYNE, *Effect of a Wind-Break on the Speed and Direction of Wind*. (*Meteorol. Mag.*, 84, No. 1002, 1955, p. 380-381).
- A. H. R. GOLDIE, *The Scintillation of Stars* (*Nature*, 165, No. 4208, 1950, p. 1019).
- G. GOLL, *Fluctuations rapides de la température dans l'espace aérien voisin du sol* (Magyar) (*Időjáras*, 64, No. 3, 1960, p. 175-180).
- W. E. GORDON, *Statistical Fluctuations in the Atmosphere*. In : *Conseil international des Unions scientifiques* (Commission de Radiométéorologie). *C. R. de la 2^e réunion*, Bruxelles, Secrét. gén. U. R. S. I., 1951, p. 74-79.
- E. E. GOSSARD, *The Effect of Wind on Nighttime Radiational Cooling* (*Trans. amer. geophys. Un.*, 34, No. 6, 1953, p. 841-848).
- Y. GOTAAKS, *An Investigation of Mountain Waves Over Southern Norway*, Inst. Weather Climate Res., Rep. (July 1956-June 1957).
- G. GOY, *Qualité astronomique du ciel de Suisse*. In : *79^e Congr. Ass. fr. Avanc. Sc.*, Grenoble, Impr. Deux-Ponts, 1961, p. 71-72.

- W. GRAFFUNDER, *Hochfrequenzmethode zur Messung der Mikroschwingungen* (*Helv. phys. Acta*, 24, No. 6, 1951, p. 590-591).
- A. M. GRANT, *A Corrected Mixing-Length Theory of Turbulent Diffusion* (*J. Meteorol.*, 14, No. 4, 1957, p. 297-303).
- K. W. GROBER, *Zur Frage der Tropopausentypen* (*Z. Meteorol.*, 11, Nos. 5-6, 1957, p. 177-182).
- P. GUÉRIN, *Sur l'existence de variations lentes et de faible amplitude de la couleur apparente des étoiles, présentant certaines analogies avec la scintillation chromatique* (*C. R. Acad. Sc.*, 244, 1957, p. 2228-2231).
- A. S. GURVICH, *Etude expérimentale des spectres de fréquence de la composante verticale de la vitesse du vent dans la couche atmosphérique voisine de la Terre* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 132, No. 4, 1960, p. 806-809).
- A. S. GURVICH, and L. R. CVANG, *Composition spectrale des flux turbulents de chaleur* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 10, 1960, p. 1547-1548).
- A. S. GURVICH, *Sur le courant turbulent des quantités de mouvement dans le cas d'une stratification instable de la couche de l'atmosphère voisine de la Terre* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 11, 1961, p. 1706-1707).
- A. S. GURVICH, V. I. TATARSKIJ, and L. R. CVANG, *Étude expérimentale des caractéristiques statistiques de la scintillation des sources de lumière, au-dessus de la Terre* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 123, No. 4, 1958, p. 655-658).
- A. S. GURVICH, *Spectre de fréquence et fonctions de distribution des probabilités de la composante verticale de la vitesse du vent* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.* No., 7, 1960, p. 1042-1055).
- A. S. GURVICH, *Mesure des coefficients de la distribution asymétrique de la différence des vitesses dans la couche basse de l'atmosphère* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 134, No. 5, 1960, p. 1073-1075).
- H. GUSS, *Zur Struktur von Häufigkeitsverteilungen und Bildung von Mittel- und Schwankungswerten der Sichtweite* (*Ann. Meteorol.*, 4, Nos. 1-6, 1951, p. 27-39).
- L. N. GUTMAN, *Sur la théorie des vents de montagne et de vallée* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 66, No. 2, 1949, p. 199-202).
- L. N. GUTMAN, *Du mouvement de l'air dans les vallées* (Russian) (*Meteorol. Gidrol.*, S. S. S. R., No. 3, 1962, p. 3-8).
- L. N. GUTMAN, and T. D. KORONATOVA, *Théorie du vent sur les versants des montagnes* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 10, 1957, p. 1238-1248).
- K. GYLDEKAERNE, *L'agitation atmosphérique et son influence sur la distribution de l'intensité dans les images photographiques des étoiles* (*Ann. Astrophys.*, 13, No. 1, 1950, p. 97-101).
- J. S. HALL, *Astronomical Seeing*. In : *Astronomical photoelectric Conference*, Lowell Obs., Flagstaff, Arizona, August 31-September 1, 1953, Indiana U., p. 82-84.

- J. S. HALL, *Astronomical Seeing* (*Astr. J.*, 60, No. 1, 1955, p. 28).
- M. H. HALSTEAD, *The Relationship Between Wind Structure and Turbulence Near the Ground* (*Publ. Climat.*, 4, No. 3, 1951).
- G. J. HALTINER, *On the Theory of Convective Currents* (*Tellus*, 11, No. 1, 1959, p. 4-15).
- R. A. HAMILTON, *The Determination of Temperature Gradients Over the Greenland Ice Sheet by Optical Methods* (*Proc. roy. Soc. Edinburgh*, Sect. A, 64, No. 4, 1956-1957, p. 381-397).
- N. HANSSON, H. KRISTENSON, F. NETTELBLAD, and A. REIZ, *On the Atmospheric Unsteadiness* (*Ann. Astrophys.*, 13, No. 3, 1950, p. 275-281).
- A. V. HARDY, *Analyzing Turbulence by Means of Photographs of Airborne Particles* (*Trans. amer. geophys. Un.*, 32, No. 6, 1951, p. 853-860).
- R. D. M. HARPER, *Miniature Convection Cells in Air* (*Weather*, 6, No. 11, 1951, p. 348).
- W. HARRELL, and E. A. RICHARDSON, *Measurement of Sensible Air-Ground Interface Temperatures* (*Monthly Weather Rev.*, 88, No. 8, 1960, p. 269-273).
- E. L. HARRINGTON, *Local Variations of Refractive Index Gradients in and Near Cumulus Clouds* (*Bull. amer. meteorol. Soc.*, 39, No. 7, 1958, p. 375).
- H. HARTRIDGE, and R. WEALE, *The Scintillation of Stars* (*Nature*, 164, No. 4180, 1949, p. 999-1000).
- H. HARTRIDGE, *The Scintillation of Stars* (*Nature*, 166, No. 4212, 1950, p. 151).
- R. HASE, *Bestimmung der Refraktion bodennaher Luftsichten* (*Optik*, 14, No. 10, 1957, p. 437-445).
- T. HATTORI, *Wind Effect on the Latitude Observations* (*Publ. astr. Soc. Jap.*, 3, No. 1, 1951, p. 5-15).
- W. HAUDE, *Verdunstung und Strahlungsbilanz in einem warmen Trockenklima* (*Meteorol. Rdsch.*, 12, No. 1, 1959, p. 11-17).
- J. S. HAY, and F. PASQUILL, *Diffusion from a Fixed Source at a Height of a Few Feet in the Atmosphere* (*J. Fluid Mech.*, 2, No. 3, 1957, p. 299-310).
- J. S. HAY, and F. PASQUILL, *Diffusion from a Continuous Source in Relation to the Spectrum and Scale of Turbulence* (*Adv. Geophys.*, 6, 1959, p. 345-365).
- L. HECKERT, *Temperaturwellen als Hilfsmittel zur Registrierung des ganz-tägigen Bewölkungsganges* (*Z. Meteorol.*, 8, Nos. 2-3, 1954, p. 33-42).
- O. HECKMANN, *The Present State of the Project for a European Observatory in South Africa* (*Monthly Notes astr. Soc. South. Afr.*, 20, No. 5, 1961, p. 44-48).
- O. HECKMANN, *Das Projekt einer internationalen Sternwarte in Südafrika* (*Phys. Verhdlg.*, 10, Nos. 13-14, 1959, p. 210).
- H. HEINKES, *Ueber den Zusammenhang zwischen Temperaturgradient und Temperaturunruhe* (*Ber. dtsch. Wetterdienstes*, 4, No. 22, 1956, p. 16-18).

- J. W. HERBSTREIT, *Radio Studies in Atmospheric Turbulence*. In : *Symposium on Wave Propagation in Paris*, September 1956.
- J. W. HERBSTREIT, K. A. NORTON, P. L. RICE, R. B. MUCHMORE, M. C. THOMPSON, and R. GALLET, *Radio Studies of Atmospheric Turbulence* (*Bull. amer. Phys. Soc.*, 1, No. 4, 1956, p. 228).
- J. W. HERBSTREIT, K. A. NORTON, P. L. RICE, R. B. MUCHMORE, M. C. THOMPSON, and R. GALLET, *Radio Studies of Atmospheric Turbulence* (*Inst. Radio Engrs. Trans.*, A.P., 5, No. 1, 1957, p. 162).
- W. A. HILTNER, *Compensation of Seeing in Photoelectric Photometry* (*Observatory*, 71, No. 865, 1951, p. 234-237).
- W. A. HILTNER, *Compensation for Seeing Noise in Photoelectric Polarization Photometry* (*Astr. J.*, 57, No. 1, 1952, p. 13).
- K. HIRAO, K. AKITA, and I. SHIRO, *Temperature Gradient and its Fluctuation in the Lower Atmosphere* (*J. Radio Res. Lab.*, 7, No. 29, 1960, p. 1-7).
- G. S. HISLOP, *Clear Air Turbulence Over Europe* (*J. roy. aeronaut. Soc.*, 55, No. 484, 1951, p. 185-225).
- W. HÖHNE, *Theoretische Betrachtungen über die Verwendbarkeit von Halbleiter-Widerständen in der Mikrometeorologie und-klimatologie*, (*Z. Meteorol.*, 11, 1957, p. 143-156).
- W. HÖHNE, *Technische Hilfsmittel bei mikrometeorologischen Temperaturmessungen mit Thermoelementen* (*Idojaras*, 62, No. 4, 1958, p. 195-204).
- D. HOFFLEIT, *La qualité des images astronomiques* (*Sky and Telescope*, 9, 1950, No. 3, p. 57-58; No. 4, p. 88-89).
- C. HOFFMEISTER, *Messungen zur atmosphärischen Optik in Südwest-Afrika* (*Veröff. Sternw. Sonneberg*, 3, No. 2, 1956, 235 pages).
- A. R. HOGG, *Observing Conditions in Australia*. In : *Astronomical Photoelectric Conference*, Lowell Obs., Flagstaff, Arizona. August 31-September 1, 1953, Indiana U., p. 102.
- A. R. HOGG, *Observing Conditions in Australia* (*Astr. J.*, 60, No. 1, 1955; p. 30-31).
- G. HOLLMANN, *Zur Frage des Mechanismus des Strahlstromes* (*Ann. Meteorol.*, 7, Nos. 1-2, 1955-1956, p. 154).
- G. HOLLMANN, *Die Abhängigkeit des Anisotropiegrades der Turbulenz von der Schichtung* (*V. D. I. Forsch.-H.*, 27, No. 483, 1961, p. 29-32).
- R. HOLZAPFEL, *Ueber die Änderung der Windgeschwindigkeit mit der Höhe* (*Ber. dtsch. Wetterdienstes U. S.-Zone*, Knoch-Heft, 7, No. 42, 1952, p. 252-255).
- F. H. HOOKE, *The Measurement and Analysis of Gust Structure* (*J. roy. aeronaut. Soc.*, 62, No. 568, 1958, p. 304-305).
- G. HORNEY, *Der Wind an benachbarten Stationen (Berg- und Talstation)* (*Meteorol. Rdsch.*, 6, Nos. 9-10, 1953, p. 189).
- R. HOSFIELD, *Comparison of Stellar Scintillation with Image Motion* (*J. Opt. Soc. Amer.*, 44, 1954, p. 284-288; *Contr. Perkins Obs.*, II-3).

- R. HOSFELD, *Scintillation, Stellar Shadow Band and Winds Aloft* (*Astr. J.*, 60, No. 5, 1955, p. 164).²
- R. HOSFELD, *Measurements of the Size of Stellar Images* [A. F. C. R. C. TN-55-873 Joint Scientific Report 2, Contracts AF-19 (604)-964, AF-19 (604)-41, (June 1955) between The Ohio State University Research Foundation and the Air Force Cambridge Research Center].
- R. HOSFELD, *The Velocity of Stellar Shadow-Band Patterns* (*Astr. J.*, 61, No. 4, 1956, p. 180-181).
- J. G. HOWCROFT, and J. R. SMITH, *A Selective Analysis of the Scale of Atmospheric Turbulence* (*J. Meteorol.*, 13, No. 1, 1956, p. 75-81).
- L. HRADILEK, *Influence de la réfraction sur les mesures trigonométriques des hauteurs* (*Kartogr. Plehl.*, Ceskosl., 11, No. 3, 1957, p. 105-112).
- L. HRADILEK, *Untersuchung der Abhängigkeit der Lichtbrechung von den meteorologischen Bedingungen auf dem Beobachtungsstandpunkt* (*Stud. geophys. geod.*, 5, No. 4, 1961, p. 302-311).
- HSIEH YI-PING, and WANG YAO-SEN, *Some Computational Results of Austausch Coefficients Over Eastern Asia* (*Sc. Rec., China*, 3, No. 2, 1959, p. 92-93).
- J. HURault, and A. FRIBOURG-BLANC, *Mission astro-géodésique de l'Oyapoe (Guyane française)*, juillet à novembre 1947. Rapport de fin de mission. Paris, Impr. de l'Institut Géographique National, 1948.
- J. W. HUTCHINGS, *The Winter Jet-Stream in the Southern Hemisphere Weather*, 7, No. 3, 1952, p. 73-77.
- E. INOUE, *On the Turbulent Diffusion in the Atmosphere. I* (*J. meteorol. Soc. Jap.*, 28, No. 12, 1950, p. 441-455).
- E. INOUE, *On the Turbulent Diffusion in the Atmosphere. II* (*J. meteorol. Soc. Jap.*, 29, No. 7, 1951, p. 246-252).
- E. INOUE, *Sur la structure du vent près du sol. I.* (Jap.) (*J. meteorol. Soc. Jap.*, 28, No. 7, 1950, p. 1-5).
- E. INOUE, *On the Structure of Wind Near the Ground* (*J. meteorol. Soc. Jap.*, 28, No. 9, 1950, p. 345).
- E. INOUE, *Au sujet de la structure de vent près du sol. IV-V* (*J. meteorol. Soc. Jap.*, IV : 29, No. 1, 1951, p. 14-19; V : 29, No. 2, 1951, p. 59-66).
- E. INOUE, *Some Remarks on Lettau's New Theories of the Atmospheric Surface Layer* (*J. Meteorol.*, 9, No. 3, 1952, p. 224-226).
- E. INOUE, *Interrelations Between the Structure of Wind Near the Ground and its Observations* (*J. meteorol. Soc. Jap.*, 30, No. 8, 1952, p. 255-264).
- E. INOUE, *A Preliminary Note on the Atmospheric Turbulent Diffusion Over Rough Surfaces* (*J. meteorol. Soc. Jap.*, 31, No. 1, 1953, p. 1-5).
- E. INOUE, *Some Remarks on the Diffusion of a Smoke Puff in the Atmosphere*. In : *Proceedings of the Third Japan National Congress for Applied Mechanics*, 1953. Tokio, Sc. Council Japan, 1954, p. 223-226).
- E. INOUE, *Structure of Turbulence in the Atmospheric Surface Layer*. In : *Proc. 6th Jap. Nation. Congr. Appl. Mech.*, Kyoto, 1956. Tokio, Sc. Council Jap., 1957, p. 315-318).

- E. INOUE, *The Effects of Thermal Stratification on Turbulent Diffusion in the Atmospheric Surface Layer* (*Adv. Geophys.*, 6, 1959, p. 319-330).
- J. B. IRWIN, *Optimum Location of a Photoelectric Observatory* (*Science*, 115, No. 2983, 1952, p. 223-226).
- J. B. IRWIN, *Photometric Quality of Various Sites*. In : *Astronomical Photoelectric Conference*, Lowell Obs., Flagstaff, Arizona. August 31-September 1, 1953, Indiana U., p. 85-92.
- J. B. IRWIN, *Photometric Quality of Various Sites* (*Astr. J.*, 60, No. 1, 1955, p. 28-29).
- J. VAN ISACKER, *La scintillation des étoiles* (*Publ. Inst. roy. Météorol. Belg.*, Brussels, Ser. B, No. 8, 1953).
- J. VAN ISACKER, *The Analysis of Stellar Scintillation Phenomena* (*Quart. J. roy. meteorol. Soc.*, 80, No. 344, 1954, p. 251-255).
- J. VAN ISACKER, *Scintillation des étoiles* (*Scientia*, 92, No. 545, 1957, p. 229-231).
- V. N. IVANOV, and F. Ja. KLINOV, *Quelques caractéristiques du champ turbulent des vitesses dans la couche inférieure à 300 m d'altitude de l'atmosphère* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 10, 1961, p. 1570-1577).
- R. L. IVES, *Sunrise Temperature Dips* (*Trans. amer. geophys. Un.*, 31, No. 4, 1950, p. 536-538).
- R. L. IVES, *Direct Recording of Wind Slip* (*J. Franklin Inst.*, 270, No. 3, 1960, p. 163-174).
- D. G. JAMES, *Fluctuations of Temperature Below Cumulus Clouds* (*Quart. J. roy. meteorol. Soc.*, 79, No. 341, 1953, p. 425-428).
- J. JANSSEN, *Ann. Obs. Paris*, Meudon, vol. 1, 1896, p. 10.
- N. K. JOHNSON, *The Vertical Gradient of Wind Velocity in the Lowest Layers of the Atmosphere* (*Meteorol. Off., Profess. Notes*, 6, No. 91, 1948).
- N. K. JOHNSON, *Vertical Distribution of Atmospheric Humidity Near the Ground*. (*Nature*, 167, No. 4238, 1951, p. 109).
- N. K. JOHNSON, and G. S. P. HEYWOOD, *An Investigation of the Lapse Rate of Temperature in the Lowest 100 m of the Atmosphere* (*Geophys. Mem.*, London, 77, 1938).
- O. JOHNSON, *An Examination of the Vertical Wind Profile in the Lowest Layers of the Atmosphere* (*J. Meteorol.*, 16, No. 2, 1959, p. 144-148).
- D. E. C. JONES, *Further Investigations of High Level Clear-Air Turbulence* (*Meteorol. Mag.*, 83, No. 984, 1954, p. 166-173).
- D. C. E. JONES, *Exceptionally Severe Clear-Air Turbulence and Other Phenomena on April 14, 1954* (*Meteorol. Mag.*, 84, No. 994, 1955, p. 107-111).
- J. I. P. JONES, and H. E. BUTLER, *The Measurements of Gustiness in the First Few Thousand Feet of the Atmosphere* (*Quart. J. roy. meteorol. Soc.*, 84, No. 359, 1958, p. 17-24).
- J. I. P. JONES, and H. E. BUTLER, *The Measurement of Gustiness in the First Few Thousand Feet of the Atmosphere* (*Quart. J. roy. meteorol. Soc.*, 84, No. 362, 1958, p. 471).

- J. I. P. JONES, and F. PASQUILL, *An Experimental System for Directly Recording Statistics of the Intensity of Atmospheric Turbulence* (*Quart. J. roy. meteorol. Soc.*, 85, No. 365, 1959, p. 225-236).
- J. I. P. JONES, and F. PASQUILL, *An Experimental System for Directly Recording Statistics of the Intensity for Atmospheric Turbulence* (*Quart. J. roy. meteorol. Soc.* 86, No. 370, 1960, p. 578-579).
- F. F. JUDALEVICH, *Certaines questions liées à l'interprétation du phénomène de scintillation des étoiles* (Russian) (*Dokl. Akad. Nauk S. S. R.*, 106, No. 3, 1956, p. 441-444).
- F. F. JUDALEVICH, *Conférence sur le problème de la scintillation des étoiles* (Russian) (*Izvest. Akad. Nauk S. S. R., Ser. geofiz.*, No. 5, 1956, p. 620-624).
- C. JUNGE, *Zur Anwendung des Richardson'schen Kriteriums in der freien Atmosphäre* (*Ann. Meteorol.*, 3, Nos. 9-10, 1950, p. 298-301).
- H. KAISER, *Ueber die Strömungsverhältnisse im Bergland* (*Meteorol. Rdsch.*, 7, Nos. 11-12, 1954, p. 214-217).
- H. KAISER, *Ueber den "Strahlungstyp" und den "Windtyp" des Mikroklimas* (*Meteorol. Rdsch.*, 11, No. 5, 1958, p. 162-164).
- H. KAISER, *Die Strömung an Windschutzstreifen* (*Ber. dtsch. Wetterdienstes*, 7, No. 53, 1959).
- T. R. KAISER, *A Theory of Stellar Scintillation*. In : *Proceedings of a Symposium on Astronomical Optics*, ed. Z. Kopal, North-Holland Publ. Co., Amsterdam, 1956, p. 323-333.
- K. KANO, *On the Richardson's Criterion Concerning the Increase or Decrease of Turbulent Energy in the Free Atmosphere* (*Geophys. Mag.*, 21, No. 3, 1950, p. 220-226).
- K. KANTUS, *Untersuchungen über den optisch-meteorologischen Reinheitsgrad der Atmosphäre in Südafrika* (*Phys. Verhdlg.*, 5, No. 7, 1954, p. 142).
- E. KAPS, *Zur Frage der Durchlüftung von Tälern im Mittelgebirge* (*Meteorol. Rdsch.*, 8, Nos. 3-4, 1955, p. 61-65).
- P. P. KARAPIPERIS, *The Influence of Ground Condition and Cloudiness on the Diurnal March of Surface Vapor Pressure at Blue Hill, Milton, Massachusetts* (*Trans. amer. geophys. Un.*, 32, No. 4, 1951, p. 547-551).
- L. KAUFOLD, and P. H. TAYLOR, *Relative Magnitudes, Extinction, and Brightness of the Day Sky at Flagstaff, Arizona*. In : *Astronomical Photoelectric Conference*, Lowell Obs., Flagstaff, Arizona. August 31-September 1, 1953, Indiana U., p. 103-111.
- A. B. KAZANSKIJ, and A. S. MONIN, *Turbulence dans les inversions près de la surface de la Terre* (Russian) (*Izvest. Akad. Nauk S. S. R., Ser. geofiz.*, No. 1, 1956, p. 79-86).
- A. B. KAZANSKIJ, and A. S. MONIN, *Régime de turbulence dans la couche inférieure de l'air au cours d'une stratification instable* (Russian) (*Izvest. Akad. Nauk S. S. R., Ser. geofiz.*, No. 6, 1958, p. 741-751).

- K. V. KAZANSKIJ, *Relation entre l'indice de la réfraction de l'air et l'humidité* (Russian) (*Izvest. Akad. Nauk S. S. R.*, Ser. geofiz., No. 2, 1959, p. 332-334).
- A. B. KAZANSKIJ, and A. S. MONIN, *Régime turbulent au-dessus de la couche d'air au voisinage du sol* (Russian) (*Izvest. Akad. Nauk S. S. R.*, Ser. geofiz., No. 1, 1960, p. 165-168).
- D. N. KEAST, and F. M. WIENER, *An Empirical Method for Estimating Wind Profiles Over Open, Level Ground* (*Trans. amer. geophys. Un.*, 39, No. 5, 1958, p. 858-864).
- E. L. KEITZ, *Differential Advection as a Factor in Clear-Air Turbulence* (*J. Meteorol.*, 16, No. 1, 1959, p. 57-62).
- G. KELLER, *Astronomical "Seeing" and its Relation to Atmospheric Turbulence* [*Astr. J.*, 58, 1953, p. 113-125; *Contr. Perkins Obs.*, II-1. Scientific Report 1, Contract AF-19 (604)-41, (December 1952) between The Ohio State University Research Foundation and the Air Force Cambridge Research Center].
- G. KELLER, and R. HARDIE, *Experimental Verification of a Recently Proposed Theory of Astronomical Seeing* [*Astr. J.*, 59, 1954, p. 105-113; *Contr. Perkins Obs.*, II-2. Scientific Report 2, Contract AF-19 (604)-41, (May 1953) between The Ohio State University Research Foundation and the Air Force Cambridge Research Center].
- G. KELLER, *The Theoretical Relation Between Scintillation and Shadow Bands* (*Astron. J.*, 59, No. 9, 1954, p. 326-327).
- G. KELLER, *Relation Between the Structure of Stellar Shadow Band Patterns and Stellar Scintillation* (*J. Opt. Soc. Amer.*, 45, No. 10, 1955, p. 845-851).
- G. KELLER, W. M. PROTHEROE, P. E. BARNHART, and J. GALLI, *Investigations of Stellar Scintillation and the Behavior of Telescopic Images*. [Final Report Contract AF-19 (604)-1409, (December 1956) between The Ohio State University Research Foundation and the Air Force Cambridge Research Center, Perkins Reprint No. 39, R. F. Project 635].
- G. KELLER, *Astronomical Scintillation and Atmospheric Turbulence. Comments on Several Recent Papers* (*Astr. Nachr.*, 283, 1956, p. 85-86; *Cont. Perkins Obs.*, II-7).
- G. KELLER, *Studies of the Behavior of Stellar Shadow Patterns* (*J. Opt. Soc. Amer.*, 47, No. 11, 1957, p. 1047).
- W. B. KENNEDY, *Wind and Temperature Measurements Above the Lower Isothermal Region of the Atmosphere by Acoustic Propagation Studies* (July 1950-May 1951) (*Bull. amer Phys. Soc.*, 27, No. 4, 1952, p. 7).
- K. O. KIEPENHEUER, *The Sun*, G. P. Kuiper, ed., University of Chicago Press, 1953, p. 341.
- K. O. KIEPENHEUER, *Experiences and Experiments with Solar Seeing*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 49-54; *Mitteilungen aus dem Fraunhofer Institut*, No. 53.
- I. KING, *Effective Extinction Values in Wide-Band Photometry* (*Astr. J.*, 57, No. 8, 1952, p. 253-258).

- I. A. KING, and H. VAN LOON, *Weather of the 1957 and 1958 Winters in South Africa* (*South Afr. geogr. J.*, 40, 1958, p. 62-67).
- I. A. KING, *The South African Weather Bureau* (*South Afr. J. Sc.*, 55, No. 9, 1959, p. 227-232).
- T. KITAOKA, *Short Period Oscillation of Atmosphere Near Tropopause* (*J. aerol. Obs. Tateno*, 6, No. 4, 1960, p. 169-180).
- E. KLEINSCHMIDT, *Die Abhängigkeit des gradientbedingten Bodenwindes von der Jahreszeit* (*Ber. dtsch. Wetterdienstes U. S.-Zone*, No. 38, 1952, p. 9-12).
- K. KNOCH, E. KUHLBRODT, H. FLOHN, W. KREUTZ, and K. BÜTTNER, *Klimatologie*. In : *Meteorology and Physics of the Atmosphere*, Wiesbaden, Dieterich'sche Verlagsbuchhdlg, 1948, p. 1-45.
- H. KOHLER, *Meteorological Turbulence. Some Consequences of the Power Law Applied to the Exchange Coefficient* (*Nova Acta roy. Soc. Sc. Upsal.*, 16, No. 1, 1955).
- I. G. KOLCHINSKIJ, *De l'amplitude d'agitation des images stellaires dans les télescopes en fonction de la distance zénithale* (Russian) (*Astr. Zh.*, S. S. S. R., 29, No. 3, 1952, p. 350-362).
- I. G. KOLCHINSKIJ, *Quelques résultats des observations de l'agitation des images d'étoiles à l'Observatoire principal de l'Académie des Sciences R. S. S. d'Ukraine à Golosseyevo* (*Astr. Zh.*, S. S. S. R., 34, No. 4, 1957, p. 638-651).
- I. G. KOLCHINSKIJ, *Étude de l'instabilité des images des étoiles à l'Observatoire de Golosseyevo* (Russian) (*Trav. 14^e Coll. astrométr. U. R. S. S.*, Kiev, 1958; Moskva, Leningrad, *Izdat. Akad. Nauk S. S. S. R.*, 1960, p. 186-196; *Astr. Zh. S. S. S. R.*, 34, No. 4, 1957, p. 638-651).
- I. G. KOLCHINSKIJ, *The Autocorrelation Function of Fluctuations of Directions of Light Rays from Observations of Star Image Motion* (*Izvest. astron. Obs. Akad. Nauk Ukr. S. S. R.*, 4, 1961, p. 13-30).
- B. KOZMA, *Winddruckmaxima im Lee eines Hindernisses* [Beitr. (Gerlands) *Geophys.*, 69, No. 6, 1960, p. 368-382].
- V. A. KRASILNIKOV, *On Fluctuations of the Angle of Arrival in the Phenomenon of Twinkling Stars* (*Dokl. Akad. Nauk S. S. S. R.*, 65, 1949, p. 291).
- V. A. KRASILNIKOV, and V. I. TATARSKIJ, *Sur le rapport entre la moyenne quadratique des fluctuations de phase et d'amplitude et les dimensions de l'objectif lors de l'observation de la scintillation des étoiles* (*Dokl. Akad. Nauk S. S. S. R.*, 88, No. 3, 1953, p. 435-438).
- V. I. KRASOVSKIJ, *Compter les scintillations peut servir de méthode pour les recherches astronomiques* (*Dokl. Akad. Nauk S. S. S. R.*, 78, No. 3, 1951, p. 427-429).
- S. I. KRECHMER, *Étude des micropulsations du champ de température dans l'atmosphère* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 84, No. 1, 1952, p. 55-58).

- S. I. KRECHMER, *Methods for Measuring Microfluctuations of Wind Velocity and Temperature in the Atmosphere* (*Trudy Geofiz. Inst. Akad. Nauk S. S. S. R.*, No. 24, 1954, p. 43).
- S. I. KRECHMER, *Experimental Determination of the Characteristics of Temperature Fluctuations in the Atmosphere* (*Trudy Tsent. Aerolog. Observ.*, No. 16, 1956, p. 39).
- L. KRIVSKÝ, and M. PIENÍK, *Meteorologische Erforschung eines geeigneten Bauplatzes für das 2 m -Spiegelteleskop in Ondrejov* (*Astr. Inst. Tschech. Akad. Wiss. Ondrejov*, B. A. C., vol. 13, No. 3, 1962, p. 113-119).
- H. KRÜGER, *Ueber den Einfluss des Windes auf Zeitbestimmungen in Tokio, Leningrad und Postsdam* (*Vermessungstechnik*, 5, No. 5, 1957, p. 101-106).
- T. J. KUKKAMAKI, *Effets de la réfraction atmosphérique sur les nivellements déduits du gradient vertical de la température* (*Bull. géod.*, Suppl., No. 34, 1954, p. 429-431).
- T. J. KUKKAMAKI, *Ueber das Flimmern und Schweben des Zielbildes* (*Geofis. pura appl.* 18, 1950, p. 120-127).
- T. J. KUKKAMAKI, *Rapport sur les causes d'erreurs affectant le nivelllement* (*Bull. géod.*, No. 18, 1950, p. 427-431).
- G. KUNKEL, *Meteorologisch-mikroklimatologische Beobachtungen in Valdivia (Südchile)* (*Abh. dtsch. Akad. Wissenschafts.*, Berlin, Kl. Chem. Geol. Biol., No. 5, 1959, 413 pages).
- N. F. KUPREVICH, *La scintillation des étoiles et le problème de sa compensation lors de l'enregistrement photoélectrique des spectres stellaires* (Russian) (*Astr. Zh. S. S. S. R.*, 33, No. 3, 1956, p. 348-367).
- N. F. KUPREVICH, *L'enregistrement photoélectrique de la scintillation des étoiles* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 20, No. 2, 1956, p. 46-60).
- N. F. KUPREVICH, *Enregistrement simultané par télévision du flux lumineux et de la forme d'une image d'une étoile dans le cas de scintillation* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 22, No. 4, 1961, p. 58-64).
- Ju. V. KURILOVA, and S. P. KHACHATRJAN, *Structure de la turbulence atmosphérique d'après les données des avions rapides* (Russian) (*Meteorol. Gidrol.*, No. 8, 1959, p. 8-12).
- J. LACAZE, *Tourbillons atmosphériques d'axes verticaux (tourbillons de sable)* (*J. sc. Météorol.*, 10, No. 40, 1958, p. 133-147).
- D. L. LAIKHTMAN, *Boundary Layer Turbulence and External Parameters* (*Adv. Geophys.*, 6, 1959, p. 65-70).
- H. LAKE, *A Comparison of the Power Law and a Generalized Logarithmic Formula in Micrometeorology* (*Trans. amer. geophys. Un.*, 33, No. 5, Part I, 1952, p. 661-668).
- J. V. LAKE, *The Temperature Profile Above Bare Soil on Clear Nights* (*Quart. J. roy. meteorol. Soc.*, 82, 1956, p. 187-197 and 530-531).
- H. H. LAMB, *The Jet-Stream in the Southern Hemisphere* (*Weather*, 7, No. 8, 1952, p. 258).
- H. H. LAMB, and J. LEWELL, *An Expedition to the High Andes in Southern Peru: Some Notes on the Party's Weather Log* (*Meteorol. Mag.*, 87 No. 1034 1958, p. 225-231).

- G. LAND, *Anomalies in Atmospheric Refraction* (*Astr. J.*, 59, No. 1, 1954, p. 19-26).
- H. LANDSBERG, *Study the Microclimate Before You Build* (*Refrg. Engng.*, 58, No. 3, 1950, p. 257-260).
- E. N. LAWRENCE, *Variation of Surface Wind Velocity with Height in Hilly Terrain* (*Meteorol. Mag.*, 89, No. 1060, 1960, p. 287-292).
- R. LEE, *Jet-Streams* (*Ann. Rep. Board Reg. Smithson. Instn. U. S. A.*, 1958, p. 293-302).
- P. LEHMANN, *Abkühlung und Erwärmung im nächtlichen Kaltluftfluss* (*Ber. dtsch. Wetterdienstes U. S.-Zone*, No. 38, 1952, p. 113-116).
- R. B. LEIGHTON, *Concerning the Problem of Making Sharper Photographs of Planets* (*Scientific American*, 194, No. 6, 1956, p. 157).
- R. B. LEIGHTON, *Some Observations of Solar Granulation* (*Publ. astron. Soc. Pacific*, 69, No. 411, 1957, p. 497-505).
- J. LE SAULNIER, and J. ROULLEAU, *Le gradient thermique vertical à Trappes* (*J. sc. Météorol.*, 4, No. 13, 1952, p. 5-8).
- H. LETTAU, *Note on the Structure of the Atmospheric Surface Layer* (*J. Meteorol.*, 13, No. 5, 1956, p. 507-509).
- H. LETTAU, *Ueber den gegenwärtigen Stand des atmosphärischen Turbulenzproblems* (*Ber. dtsch. Wetterdienstes*, 4, No. 22, 1956, p. 9; *Phys. Verhdlg.*, 7, No. 1, 1956, p. 4-5).
- H. LETTAU, *Wind Profile, Surface Stress and Geostrophic Drag Coefficients in the Atmospheric Surface Layer* (*Adv. Geophys.*, 6, 1959, p. 241-257).
- J. J. LEVALLOIS, *Sur la réfraction atmosphérique* (*Bull. géod.*, No. 25, 1952, p. 313-317).
- E. H. LINFOOT, and E. WOLF, *On Telescopic Star Images* (*Monthly Not. roy. astr. Soc.*, 112, No. 4, 1952, p. 452-469).
- V. P. LINNIK, *Sur la possibilité de principe d'atténuer l'influence de l'agitation atmosphérique sur les images des étoiles* (Russian) (*Opt. i Spektrosk.*, 3, No. 4, 1957, p. 401-402).
- C. G. LITTLE, *A Diffraction Theory of the Scintillation of Stars on Optical and Radio Wave-Lengths* (*Monthly Not. roy. astr. Soc.*, 111, No. 3, 1951, p. 289-302).
- O. LÖNNQVIST, *Estimation of Nocturnal Net Radiation. Computations Made in Connection with Microclimatological Observations in Ultuna* (*Sveriges meteorol. hydrol. Inst., meteorol. Byran, Not. prelimin.*, Rapp., 2, No. 5, 1959).
- I. F. LONG, *Instruments for Micro-Meteorology* (*Quart. J. roy. meteorol. Soc.*, 83, No. 356, 1957, p. 202-214).
- R. W. LONGLEY, *Eddy Sizes as Determined by the Temperature Fluctuations at O'Neill, Nebraska, August and September 1953* (*J. Meteorol.*, 16, No. 2, 1959, p. 140-143).
- W. LOTTERMOSER, *Ein Gerät zur Messung von atmosphärischen Druckschwankungen im Bereich 0,01 bis 20 Hz* (*Ann. Meteorol.*, 6, Nos. 3-4, 1953-1954, p. 115-116).
- F. H. LUDLAM, and R. S. SCORER, *Convection in the Atmosphere* (*Quart. J. roy. meteorol. Soc.*, 79, No. 341, 1953, p. 317-341).

- R. LUTZKE, *Erfahrungen mit einer transportablen thermoelektrischen Registrierapparatur bei kleinklimatischen Untersuchungen* (*Angew. Meteorol.*, 3, No. 11, 1960, p. 325-333).
- R. LUTZKE, *Unter welchen Bedingungen hebt sich das nächtliche Temperaturminimum von der Bodenoberfläche ab?* (*Angew. Meteorol.*, 4, No. 1, 1960, p. 1-10).
- G. LYRA, *Zu neueren Problemen der atmosphärischen Strömungen über einem Gebirge* (*Phys. Verhdlg.*, 3, No. 3, 1952, p. 57).
- P. B. MACCREADY, Jr., *Atmospheric Turbulence Measurements and Analysis* (*J. Meteorol.*, 10, No. 5, 1953, p. 325-337).
- P. B. MACCREADY, Jr., *Structure of Atmospheric Turbulence* (*J. Meteorol.*, 10, No. 6, 1953, p. 434-449).
- J. E. MACDONALD, *Radiation- and Lag-Errors in the Measurement of Turbulent Temperature Fluctuations* (*Iowa State Coll. J. Sc.*, 29, No. 2, 1952, p. 214-215).
- P. A. MACGREGOR, *Development of the Theories of the Circulation of the Atmosphere Over South Africa* (*South Afr. geogr. J.*, 37, 1955, p. 41-52).
- I. C. MACILROY, *The Atmospheric Fine Structure Recorder* (*Tech. Paper Sect. meteorol. Phys.*, Commonwealth sc. industr. Res. Organis., No. 3, 1955).
- I. C. MACILROY, *Effects of Instrumental Response on Atmospheric Flux Measurement by the Eddy-Correlation Method* (*C.S.I.R.O.*, Div. meteorol. Phys., tech. Paper, Austral., No. 11, 1961).
- A. MADE, *Zur Methodik mikroklimatischer Temperaturmessungen* (*Angew. Meteorol.*, 1, No. 7, 1952, p. 215-219).
- S. MAL, B. N. DESAI, and S. P. SIRCAR, *An Investigation into the Variation of the Lapse Rate of Temperature in the Atmosphere Near the Ground at Drigh Road, Karachi* (*Mem. India Met. Dep.*, 29, Part 1, Calcutta, 1942).
- R. MALETZKE, *Neue Ergebnisse über die Entwicklung des Taleinwindes* (*Météorologie*, Nos. 45-46, 1957, p. 268-271).
- S. J. MALKUS, *Bubble Theory of Penetrative Convection* (*Quart. J. roy. meteorol. Soc.*, 79, No. 340, 1953, p. 288-292).
- W. V. R. MALKUS, *Horizontal Diffusion Due to Turbulent Convection* (*Adv. Geophys.*, 6, 1959, p. 313-318).
- W. MALSCH, *Die Ermittlung des atmosphärischen Transmissionskoeffizienten durch einfache astronomische Beobachtungen* (*Meteorol. Rdsch.*, 2, Nos. 7-8, 1949, p. 202-206).
- W. MALSCH, *Lufllawinen aus der freien Atmosphäre* (*Meteorol. Rdsch.*, 5, Nos. 1-2, 1952, p. 20-21).
- O. I. MAMAEV, *Influence de la stratification sur le mélange vertical turbulent* (Russian) (*Izvest. Akad. Nauk S. S. R.*, Ser. geofiz., No. 7, 1958, p. 870-875).
- V. N. MAMAKIN, *Sur le rapport existant entre le nombre de Richardson et la hauteur* (Russian) (*Meteorol. Gidrol.*, No. 7, 1959, p. 29-30).
- H. MANO, *A Study on the Sudden Nocturnal Temperature Rises in the Valley and on the Basin* (*Geophys. Mag.*, 27, No. 1, 1956, p. 169-204).

- T. MASUI, *Note sur l'indice de réfraction de l'air dans le spectre visible (Rev. Opt. théor. instrum.)*, 36, No. 6, 1957, p. 281-284).
- L. T. MATVEEV, *Caractéristiques quantitatives de l'échange turbulent dans la troposphère supérieure et la stratosphère inférieure* (Russian) (*Izvest. Akad. Nauk S. S. R., Ser. geofiz.*, No. 7, 1958, p. 927-931).
- L. T. MATVEEV, *Établissement de la relation entre le coefficient de la turbulence et la hauteur de la couche de l'atmosphère au voisinage du sol* (Russian) (*Izvest. Akad. Nauk S. S. R., Ser. geofiz.*, No. 1, 1960, p. 83-88).
- U. MAYER, *Beobachtungen der Richtungsszintillation* (*Z. Astrophysik*, 49, 1960, p. 161-167).
- D. A. MAZZARELLA, and D. K. KOHL, *Air Temperature Measurement on a 420-foot Tower* (*Instrum. Autom.*, 27, No. 8, 1954, p. 1306-1309).
- D. P. MCINTYRE, *The Annual and Seasonal Variations in Jet-Streams*. In : *XII th Gen. Assembly Internation. Ass. Meteorol. atmosph. Phys.*, Helsinki, 1960; *Rep. Proc.*, London, I.A.M.A.P., 1960, p. 96.
- R. R. McMATH, *McMath-Hulbert Spectrograph* (*Sky and Telescope*, 14, 1955, p. 372-373).
- R. R. McMATH, and A. K. PIERCE, *The Large Solar Telescope at Kitt Peak* (*Sky and Telescope*, 20, No. 2, 1960, p. 64-67).
- E. C. S. MEGAW, *Interpretation of Stellar Scintillation* (*Quart. J. roy. meteorol. Soc.*, 80, No. 344, 1954, p. 248-251).
- A. B. MEINEL, *Final Report of the Site Selection Survey for the National Astronomical Observatory*, 1958.
- A. B. MEINEL, *The National Observatory at Kitt Peak* (*Sky and Telescope*, 17, No. 10, 1958, p. 493-499).
- O. A. MELNIKOV, and B. K. IOANNISIANI, *Le nouveau télescope avec spectrographe sans fente pour la région ultraviolette et sa mise à l'essai dans les conditions de haute montagne* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 18, No. 6, 1951, p. 55-63).
- D. H. MENZEL, *The Theory of Atmospheric Seeing*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 25-30.
- H. MERBT, *Solution of the Two-Dimensional Lee-Wave Equation for Arbitrary Mountain Profiles, and Some Remarks on the Horizontal Wind Component in Mountain Flow* (*Beitr. Phys. Atmosph.*, 31, Nos. 3-4, 1959, p. 152-161).
- G. MERTON, and W. H. STEAVENSON, *Un cas de réfraction différentielle* (*J. brit. astr. Ass.*, 60, No. 4, 1950, p. 113-114).
- METEOROLOGICAL OFFICE DISCUSSION, *Temperature and Humidity in the Lowest Hundred Metres of the Atmosphere* (*Meteorol. Mag.*, 80, No. 946, 1951, p. 109-111).
- METEOROLOGICAL OFFICE DISCUSSION, *Diurnal and Seasonal Variation of Visibility* (*Meteorol. Mag.*, 81, No. 960, 1952, p. 174-185).
- R. MICHAUD, *L'atmosphère terrestre, source de difficultés pour l'astronome* (*Astronomie*, 67, 1953, p. 465-468).
- R. MICHAUD, *L'atmosphère terrestre, source de difficultés pour l'astronome* (*Astronomie*, 68, 1954, p. 59-64).
- A. H. MIKESELL, A. A. HOAG, and J. S. HALL, *Quantitative Measurements of Stellar Scintillation* (*Astr. J.*, 56, No. 5, 1951, p. 135).

- A. H. MIKESELL, A. A. HOAG, and J. S. HALL, *The Scintillation of Starlight* (*J. Opt. Soc. Amer.*, 41, No. 10, 1951, p. 689-695).
- A. H. MIKESELL, *The Scintillation of Starlight*, Publ. of the United States Naval Observatory, Second Series, vol. XVII, Part IV, Washington, 1955, p. 143-191.
- A. H. MIKESELL, *Stellar Scintillation and Meteorological Phenomena* (*Astr. J.*, 60, No. 5, 1955, p. 172).
- A. H. MIKESELL, *Observations of Stellar Scintillation from Moving Platforms* (*Astr. J.*, 63, No. 8, 1958, p. 308-309).
- M. K. MILES, *Temperature and Wind Distribution in the Lower Stratosphere* (*Meteorol. Mag.*, 81, No. 961, 1952, p. 212-215).
- M. MINNAERT, H. F. H. JONES, K. HARRISON, G. C. VARLEY, M. A. ELLISON, G. S. BRINDLEY and H. HARTRIDGE, *The Scintillation of Stars* (*Nature*, 165, No. 4200, 1950, p. 663-668).
- M. MINNAERT, *General Introduction to a Study of Solar Seeing*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 15-24.
- F. MÖLLER, *Strahlungsvorgänge in Bodennähe* (*Z. Meteorol.*, 9, 1955, p. 47-53).
- F. MÖLLER, *Ueber das Strahlungsgleichgewicht in der Nähe der Erdoberfläche* (*Meteorol. Rdsch.*, 13, No. 5, 1960, p. 134-139).
- F. MÖLLER, *Der Strahlungshaushalt der Troposphäre* (*Meteorol. Rdsch.*, 13, No. 3, 1960, p. 65-77).
- A. S. MONIN, and A. M. OBUKHOV, *Caractéristiques sans dimensions de la turbulence dans la couche d'air voisine du sol* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 93, No. 2, 1953, p. 257-260).
- A. S. MONIN, and A. M. OBUKHOV, *Basic Laws of Turbulent Mixing in the Layer of the Atmosphere Near the Earth* (*Trudy Geofiz. Inst. Akad. Nauk S. S. S. R.*, No. 24, 1954, p. 163). German Translation in *Sammelband zur Statistischen Theorie der Turbulenz*, Akademie-Verlag, Berlin, 1958, p. 199.
- A. S. MONIN, *Sur la diffusion turbulente dans la couche d'air au voisinage du sol* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 12, 1956, p. 1461-1473).
- A. S. MONIN, *Turbulent Diffusion in the Surface Layer Under Stable Stratification* (*Adv. Geophys.*, 6, 1959, p. 429-434).
- A. S. MONIN, *On the Similarity of Turbulence in the Presence of a Mean Vertical Temperature Gradient* (*J. Geophys. Res.*, 64, No. 12, 1959, p. 2196-2197).
- A. S. MONIN, *Turbulence in Shear Flow with Stability* (*J. Geophys. Res.*, 64, No. 12, 1959, p. 2224-2225).
- A. S. MONIN, *Sur le spectre de turbulence dans une atmosphère à hétérogénéité thermique* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 3, 1962, p. 397-407).
- A. S. MONIN, *Empirical Data on Turbulence in the Surface Layer of the Atmosphere* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3103-3110).
- M. MONTALTO, *Jet-Streams and Turbulence in the Lower Atmosphere*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 131-139.
- J. L. MONTEITH, *Climatology in Arid Zone Research* (*Weather*, 12, No. 7, 1957, p. 203-210).

- R. B. MONTGOMERY, *Vertical Convective Heat Flux* (*Quart. J. roy. meteorol. Soc.*, 77, No. 334, 1951, p. 675-680).
- C. P. MOOK, *A Meteorological Analysis of Reports of Turbulence Encountered by Aircraft in Clear Air* (*Aeronaut. Engng. Rev.*, 11, No. 9, 1952, p. 22-27).
- T. F. MORRIS, *Seeing Conditions in the Montreal Area*. In : *A.A.V.S.O. abstracts*, 46th Spring Meeting, 1957.
- R. MURRAY, *Some Features of Jet-Streams as Shown by Aircraft Observations* (*Geophys. Mem.*, 97, 1956).
- Sh. A. MUSAELJAN, *Au sujet des perturbations provoquées par un obstacle isolé dans le champ de la composante horizontale de vitesse* (Russian) (*Izvest. Akad. Nauk S. S. R.*, Ser. geofiz., No. 9, 1960, p. 1407-1412).
- V. A. MYERS, *Airflow on the Windward Side of a Large Ridge* (*J. Geophys. Res.*, 67, No. 11, 1962, p. 4267-4291).
- V. I. NEMSCHENKO, *Batteries thermoélectriques pour la mesure des fluctuations de la température de l'air* (Russian) (*Trudy morsk. gidrofiz. Inst.*, 13, 1958, p. 73-77).
- F. NETTELBLAD, *Recordings of Scintillation* (*Observatory*, 71, No. 862, 1951, p. 111).
- J. NEUMANN, *Richardson's Number and the Monin-Obukhov Wind Profile* (*J. Meteorol.*, 18, No. 6, 1961, p. 808-809).
- R. NEUWIRTH, *Unterschiede in der Staubbelastung zwischen Ebene und Höhenlage* (*Meteorol. Rdsch.*, 12, No. 5, 1959, p. 144-146).
- C. W. NEWTON, (Working Group), *Observational Characteristics of the Jet-Stream* (World Meteorological Organization, Technical Note No. 19, W. M. O. No. 71, T. P. 27, 1958).
- J.-P. NICOLAS, *Les climats africains en biogéographie humaine* (*Bull. Inst. fr. Afr. noire*, Sér. B, A. O. F., 20, Nos. 1-2, 1958, p. 7-67).
- M. NICOLET, *Sur la mesure des températures au voisinage du sol* (*Inst. roy. météorol. Belg.*, Misc., No. 38, 1949).
- S. NINGER-KOSIBOWA, *The determination of the Photovisual Extinction* (*Communic. Wroclaw Obs.*, No. 3, 1953).
- Nocturnal Temperature Ranges, Winds, and Seeing Conditions at the Radcliffe Observatory, Pretoria* (*Monthly Notes astr. Soc. South Afr.*, 15, No. 5, 1956, p. 35-39).
- H. NOJIMA, *Déférences dans les températures, humidités et tensions de vapeur au sommet du mont Tsukuba et en haute atmosphère au-dessus de Tateno (Japan)* (*J. aerol. Obs. Tateno*, 5, No. 1, 1951, p. 49-64).
- Notes de climatologie tropicale : L'atlas climatologique de l'Afrique* (*Sols afr.*, 4, No. 2, 1957, p. 136-145).
- N. I. NOVOZHILOV, *Sur le rôle de la turbulence dynamique dans le développement de la convection* (Russian) (*Meteorol. Gidrol.*, No. 10, 1960, p. 27-29).
- A. NYBERG, and L. RAAB, *An Experimental Study of the Field Variation of the Eddy Conductivity* (*Tellus*, 8, No. 4, 1956, p. 472-479).
- A. M. OBUKHOV, *Structure of the Temperature Field in a Turbulent Flow* (*Izvest. Akad. Nauk S. S. R.*, Ser. geograf. geofiz., 13, 1949, p. 58). German Translation in *Sammelband zur Statistischen Theorie der Turbulenz*, Akademie-Verlag, Berlin, 1958, p. 127.

- A. M. OBUKHOV, *Pressure Fluctuations in a Turbulent Flow* (*Dokl. Akad. Nauk S. S. S. R.*, 66, 1949, p. 17).
- A. M. OBUKHOV, *Structure locale de la turbulence atmosphérique* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 67, No. 4, 1949, p. 643-646).
- A. M. OBUKHOV, N. Z. PINUS, and S. I. KRECHMER, *Results of Experimental Investigations of Microturbulence in the Free Atmosphere* (*Trudy tsent. Aerolog. Observ.*, No. 6, 1951, p. 174).
- A. M. OBUKHOV, and A. M. YAGLOM, *The Microstructure of Turbulent Flow* (Russian) (*Prikl. Mat. Mekh.*, 15, 1951, p. 3). Translated into English as *Tech. Memor.*, 1350, National Advisory Committee for Aeronautics, Washington, 1953, German Translation in *Sammelband zur Statistischen Theorie der Turbulenz*, Akademie-Verlag, Berlin 1958, p. 97.
- A. M. OBUKHOV, *On the Influence of Weak Atmospheric Inhomogeneities on the Propagation of Sound and Light* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geofiz., No. 2, 1953, p. 157-171).
- A. M. OBUKHOV, *Travaux soviétiques dans le domaine d'étude de la turbulence atmosphérique* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geofiz., No. 11, 1957, p. 1389-1392).
- A. M. OBUKHOV, and A. M. YAGLOM, *On the Microstructure of Atmospheric Turbulence. A Review of Recent Work in the U. S. S. R.* (*Quart. J. roy. meteorol. Soc.*, 85, No. 364, 1959, p. 81-90).
- A. M. OBUKHOV, *Influence des forces d'Archimède sur la structure des champs de température dans un flux turbulent* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 125, No. 6, 1959, p. 1246-1248).
- A. M. OBUKHOV, *Description of Turbulence in Terms of Lagrangian Variables* (*Adv. Geophys.*, 6, 1959, p. 113-116).
- A. M. OBUKHOV, *Scattering of Waves and Microstructure of Turbulence in the Atmosphere* (*J. Geophys. Res.*, 64, No. 12, 1959, p. 2180-2187).
- A. M. OBUKHOV, *Sur la structure du champ des températures et des vitesses dans les conditions d'une convection libre* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geofiz., No. 9, 1960, p. 1392-1396).
- A. M. OBUKHOV, *Some Specific Features of Atmospheric Turbulence* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3011-3014).
- D. O'CONNOR, *Microclimatology and its Effects on the Accuracy of Surveying Measurements* (*Emp. Surv. Rev.*, 15, No. 118, 1960, p. 364-369).
- M. OGAWARA, *On the Form of Turbulent Vortex Near the Earth's Surface* (*Geophys. Mag.*, 21, No. 3, 1950, p. 226-244).
- Y. OGURA, *The Structure of Two-Dimensionally Isotropic Turbulence* (*J. meteorol. Soc. Jap.*, 30, No. 2, 1952, p. 59-64).
- Y. OGURA, *The Theory of Turbulent Diffusion in the Atmosphere. I* (*J. meteorol. Soc. Jap.*, 30, No. 1, 1952, p. 23-28).
- Y. OGURA, *The Theory of Turbulent Diffusion in the Atmosphere. II* (*J. meteorol. Soc. Jap.*, 30, No. 2, 1952, p. 53-58).
- Y. OGURA, *Relations Between the Length of Time Under Analysis and the Statistical Quantities of the Atmospheric Turbulence* (*J. meteorol. Soc. Jap.*, 30, No. 3, 1952, p. 103-111).

- Y. OGURA, *The Theory of Turbulent Diffusion in the Atmosphere. III : The Theoretical Distribution of Airborne Pollution from Tall Stacks* (*J. meteorol. Soc. Jap.*, 30, No. 12, 1952, p. 386-397).
- Y. OGURA, *Note on the Theory of Turbulent Diffusion in the Lower Layer of the Atmosphere* (*J. meteorol. Soc. Jap.*, 31, No. 8, 1953, p. 125-131). Errata : *J. meteorol. Soc. Jap.*, 31, Nos. 11-12, 1953.
- Y. OGURA, *The Relation Between the Space- and Time-Correlation Functions in a Turbulent Flow* (*J. meteorol. Soc. Jap.*, 31, Nos. 11-12, 1953, p. 355-369).
- Y. OGURA, and K. MIYAKODA, *Note on the Pressure Fluctuations in Isotropic Turbulence* (*J. meteorol. Soc. Jap.*, 32, Nos. 5-6, 1954, p. 160-166).
- Y. OGURA, and K. MIYAKODA, *The Theory of Three-Dimensional Turbulent Diffusion* (*J. meteorol. Soc. Jap.*, 32, Nos. 5-6, 1954, p. 143-159).
- Y. OGURA, *A Supplementary Note on the Relation Between the Space- and Time-Correlation Functions in a Turbulent Flow* (*J. meteorol. Soc. Jap.*, 33, No. 1, 1955, p. 31-37).
- Y. OGURA, *The Influence of Finite Observation Intervals on the Measurement of Turbulent Diffusion Parameters* (*J. Meteorol.*, 14, No. 2, 1957, p. 176-181).
- Y. OGURA, *Temperature Fluctuations in an Isotropic Turbulent Flow* (*J. Meteorol.*, 15, No. 6, 1958, p. 539-546).
- Y. OGURA, *The Dependence of Eddy Diffusivity on the Fluid Prandtl Number* (*Adv. Geophys.*, 6, 1959, p. 175-177).
- M. OI, *Air Current Crossing a Mountain Range. I* (*J. meteorol. Soc. Jap.*, 30, No. 6, 1952, p. 183-189).
- W. OKOLOWICZ, *Macro-, Meso- and Microclimate* (*Przegl. geogr.*, 32, Suppl. 1960, p. 97-102).
- S. M. ONISHCHENKO, *Au sujet des observations sur la visibilité* (Russian) (*Meteorol. Gidrol.*, No. 7, 1959, p. 40-41).
- J. H. OORT, *A European Project for a Large Observatory in the Southern Hemisphere* (*I. C. S. U. Rev.*, 3, No. 1, 1961, p. 30-35).
- Osservabilità del cielo nel golfo di Genova (Voltri) (*Coelum*, 24, Nos. 9-10, 1956, p. 144-146).
- H. K. PAETZOLD, *Ein Beitrag zur atmosphärischen Extinktion* (*Astr. Nachr.*, 281, No. 1, 1952, p. 17-22).
- E. PALM, *Two-Dimensional and Three-Dimensional Mountain Waves* (*Geofys. Publ.*, 20, No. 3, 1958).
- E. PALM, *On Reynolds Stress, Turbulent Diffusion and the Velocity Profile in a Stratified Fluid* (*Adv. Geophys.*, 6, 1959, p. 235-239).
- S. PANCHEV, *Relations quantitatives entre les caractéristiques de la turbulence atmosphérique purement thermique* (Russian) (*C. R. Acad. bulg. Sc.*, 14, No. 8, 1961, p. 791-794).
- H. A. PANOFSKY, *The Variation of the Turbulence Spectrum with Height Under Superadiabatic Conditions* (*Quart. J. roy. meteorol. Soc.*, 79, No. 339, 1953, p. 150-153).
- H. A. PANOFSKY, and R. A. MCCORMICK, *Properties of Spectra of Atmospheric Turbulence at 100 m* (*Quart. J. roy. meteorol. Soc.*, 80, No. 346, 1954, p. 546-564).

- H. A. PANOFSKY, H. E. CRAMER, and V. R. K. RAO, *The Relation Between Eulerian Time and Space Spectra* (*Quart. J. roy. meteorol. Soc.*, 84, No. 361, 1958, p. 270-273).
- H. A. PANOFSKY, and R. J. DELAND, *One-Dimensional Spectra of Atmospheric Turbulence in the Lowest 100 m* (*Adv. Geophys.*, 6, 1959, p. 41-64).
- H. A. PANOFSKY, and R. A. MCCORMICK, *The Spectrum of Vertical Velocity Near the Surface* (*Quart. J. roy. meteorol. Soc.*, 86, No. 370, 1960, p. 495-503).
- H. A. PANOFSKY, *Similarity Theory and Temperature Structure in the Lower Atmosphere* (*Quart. J. roy. meteorol. Soc.*, 87, No. 374, 1961, p. 597-601).
- H. A. PANOFSKY, *Scale Analysis of Atmospheric Turbulence at 2 m* (*Quart. J. roy. meteorol. Soc.*, 88, No. 375, 1962, p. 57-69).
- A. E. PARKER, *Anisotropic High-Level Turbulence* (*Quart. J. roy. meteorol. Soc.*, 84, No. 360, 1958, p. 180-182).
- I. A. PARSHIN, *De l'influence d'un diaphragme limitant l'ouverture de l'objectif sur la qualité des photographies de planètes* (Russian) (*Uchenye Zap.*, S. S. S. R., Ser. math., 22, 1950, p. 214-224).
- F. PASQUILL, *A Portable Indicating Apparatus for the Study of Temperature and Humidity Profiles Near the Ground* (*Quart. J. roy. meteorol. Soc.*, 75, No. 325, 1949, p. 239-248).
- F. PASQUILL, *Eddy Diffusion of Heat and Water Vapour* (*Quart. J. roy. meteorol. Soc.*, 78, No. 335, 1952, p. 108-109).
- F. PASQUILL, *Some Current Work on Turbulence in the First Few Thousand Feet Above Ground* (*Adv. Geophys.*, 6, 1959, p. 71-73).
- F. PASQUILL, *Recent Broad-Band Spectral Measurements of Turbulence in the Lower Atmosphere* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3025-3028).
- B. PAVESI, *Observations préliminaires pour des recherches sur la turbulence atmosphérique dans les basses couches*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 117-122.
- C. A. PEARSON, M. J. KOOMEN, and R. TOUSEY, *Visual Measurements of Atmospheric Transmission of Light at Night* (*Bull. amer. meteorol. Soc.*, 33, No. 3, 1952, p. 117-121).
- M. PÉLEGRI, *Mesure de la turbulence atmosphérique* (*C. R. Acad. Sc.*, 235, 1952, p. 19-21).
- A. V. PEREPELKINA, *Quelques résultats de l'examen des pulsations turbulentes de la température et de la composante verticale de la vitesse du vent* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geofiz., No. 6, 1957, p. 765-778).
- A. V. PEREPELKINA, *Sur les caractéristiques de la turbulence de la couche voisine de la Terre dans des conditions de convection libre* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geofiz., No. 2, 1962, p. 271-274).
- B. C. PETERSON, *Some Observations of Refraction at Low Altitudes and of Astronomical Position-Line Accuracy* (*J. Inst. Navig.*, 5, No. 1, 1952, p. 31-38).
- P. E. PHILLIPS, *Clear-Air Turbulence* (*Meteorol. Mag.*, 80, No. 954, 1951, p. 361-362).

- E. V. PIASKOVSKAIA-FESENKOVA, *Quelques données sur les propriétés optiques de l'atmosphère dans les conditions montagneuses* (Russian) (*Astr. Zh. S. S. S. R.*, 29, No. 3, 1952, p. 313-325).
- E. V. PIASKOVSKAIA-FESENKOVA, *Sur quelques particularités optiques de l'atmosphère du désert de Lybie* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 123, No. 2, 1958, p. 269-271).
- J. R. PLATT, *Increase of Telescopic Resolution with Time-Selection and an Image Forming Stellar Interferometer* (*Astrophys. J.*, 125, 1957, p. 601-610).
- H. PLESSE, *Hausmitteilungen der Firma Carl Zeiss*, Oberkochen, 1961.
- K. POLLARD, *A Preliminary Study of Night Cooling Under Clear Skies at Wittering* (*Meteorol. Mag.*, 87, No. 1027, 1958, p. 12-16).
- D. J. PORTMAN, F. C. ELDER, E. RYZNAR, and V. E. NOBLE, *Some Optical Properties of Turbulence in Stratified Flow Near the Ground* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3223-3235).
- J. A. PRESCOTT, J. A. COLLINS, and G. R. SHIRPURKAR, *The Comparative Climatology of Australia and Argentina* (*Geogr. Rev.*, 42, No. 1, 1952, p. 118-133).
- S. PRICE, and J. C. PALES, *The Mauna-Loa High-Altitude Observatory* (*Monthly Weather Rev.*, 87, No. 1, 1959, p. 1-14).
- C. H. B. PRIESTLEY, and P. A. SHEPPARD, *Turbulence and Transfer Processes in the Atmosphere* (*Quart. J. roy. meteorol. Soc.*, 78, No. 338, 1952, p. 488-529).
- C. H. B. PRIESTLEY, *Buoyant Motions and the Open Parcel* (*Meteorol. Mag.*, 83, No. 982, 1954, p. 107-114).
- C. H. B. PRIESTLEY, *Free and Forced Convection in the Atmosphere Near the Ground* (*Quart. J. roy. meteorol. Soc.*, 81, No. 348, 1955, p. 139-143).
- C. H. B. PRIESTLEY, and F. K. BALL, *Continuous Convection from an Isolated Source of Heat* (*Quart. J. roy. meteorol. Soc.*, 81, No. 348, 1955, p. 144-157).
- C. H. B. PRIESTLEY, *Free and Forced Convection in the Atmosphere Near the Ground* (*Quart. J. roy. meteorol. Soc.*, 82, No. 352, 1956, p. 242-244).
- C. H. B. PRIESTLEY, *Convection from the Earth's Surface* (*Proc. Roy. Soc., Ser. A*, 238, No. 1214, 1957, p. 287-304).
- C. H. B. PRIESTLEY, *The Isotropic Limit and the Microscale of Turbulence* (*Adv. Geophys.*, 6, 1959, p. 97-100).
- C. H. B. PRIESTLEY, *A Determinant Hypothesis for the Superadiabatic Wind and Temperature Profiles* (*Quart. J. roy. meteorol. Soc.*, 86, No. 368, 1960, p. 232-236).
- W. M. PROTHEROE, *Determination of Shadow-Band Structure from Stellar Scintillation Measurements* (*Astr. J.*, 59, No. 9, 1954, p. 331-332).
- W. M. PROTHEROE, *Determination of Shadow-Band Structure from Stellar Scintillation Measurements* (*J. Opt. Soc. Amer.*, 45, No. 10, 1955, p. 851-855).
- W. M. PROTHEROE, *Preliminary Report on Stellar Scintillation* (*Contrib. Perkins Obs., Ser. II*, No. 4, 1955, p. 127).
- P. QUENEY, and L. ARBEY, *Modifications de la réfraction astronomique par les facteurs météorologiques* (*C. R. Acad. Sc.*, 240, 1955, p. 551-553).

- P. QUENEY, *The Airflow Over Mountains* (World Meteorological Organization, Technical Note No. 34, W. M. O. No. 98, T.P. 43, 1960).
- P. RAETHJEN, *Die Entstehung des Jet-Stream und seiner Turbulenz* (*Ann. Meteorol.*, 8, Nos. 3-4, 1957, p. 108-114).
- P. RAETHJEN, *Ueber die Anwendung der technischen Turbulenzlehre auf die Reibungsschicht der Atmosphäre* (*Geofis. pura appl.* 49, 1961, p. 225-243).
- A. RAINONE, and M. TORELLI, *Solar Seeing in Rome*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 55-64.
- W. M. RÁKÓCZINÉ, *Recherches sur les gradients de température et d'humidité dans la couche de l'atmosphère voisine du sol* (Magyar) (*Időjárás*, 63, No. 1, 1959, p. 36-37).
- U. RAKOK, and R. H. CLARKE, *Some Features of the Subtropical Jet-Stream* (*Beitr. Phys. Atmosph.*, 31, Nos. 1-2, 1958, p. 89-108).
- L. A. RAMDAS, *Micro-Climatological Investigations in India* (*Arch. Meteorol. Geophys. Bioklimatol.*, Ser. B, 3, 1951, p. 149-167).
- L. A. RAMDAS, and S. ATMANATHAN, *The Vertical Distribution of Air Temperature Near the Ground During Night* (*Gerl. B.*, 3, 1936, p. 49-53).
- J. V. RAMSAY, *On the Transfer Function of a Non-Uniform Atmosphere* (*Opt. Acta*, 6, No. 4, 1959, p. 344-353).
- J. V. RAMSAY, and H. KOBLER, *A Stellar Image Monitor* (*Observatory*, 82, 1962, p. 107-111).
- H. REIFFERSCHEID, *Zur Methodik mikroklimatischer Messung* (*Ber. dtsch. Wetterdienstes U. S.-Zone*, No. 32, 1952, p. 108-109).
- E. R. REITER, *Turbulenz im wolkenfreien Raum* (*Ber. dtsch. Wetterdienstes*, 9, No. 61, 1960).
- E. R. REITER, *The Detailed Structure of the Atmosphere Near Jet-Streams* (*Geofis. pura appl.*, 46, 1960, p. 193-200).
- E. G. RICHARDSON, *The Use of Smoke in the Study of Atmospheric Movements* (*Weather*, 4, No. 10, 1949, p. 334-336).
- A. P. RICHTER, *On Eddies in the Nevada Test Site Area* (*Bull. amer. meteorol. Soc.*, 39, No. 7, 1958, p. 382).
- N. E. RIDER, and G. D. ROBINSON, *A Study of the Transfer of Heat and Water Vapour Above a Surface of Short Grass* (*Quart. J. roy. meteorol. Soc.*, 77, No. 333, 1951, p. 375-401).
- N. E. RIDER, *The Effect of a Hedge on the Flow of Air* (*Quart. J. roy. meteorol. Soc.*, 78, No. 335, 1952, p. 97-101).
- N. E. RIDER, *Eddy Diffusion of Momentum, Water Vapour, and Heat Near the Ground* (*Philos. Trans. Roy. Soc. London*, Ser. A, 246, No. 918, 1953, p. 481-501).
- J. RINK, *Ueber das Verhalten der mittleren vertikalen Temperaturgradienten der bodennahen Luftschicht (1-76 m) und seine Abhängigkeit von speziellen Witterungsfaktoren und Wetterlagen* (*Abh. Met. D., D. D. R.*, 3, No. 18, 1953, p. 1-43).
- J. RINK, *Fernregistrierung des Temperatur- und Feuchtegefälles in der bodennahen Luftschicht (80 m)* (*Z. Meteorol.*, 14, Nos. 5-6, 1960, p. 113-120).
- G. D. ROBINSON, *Vertical Motion and the Transfer of Heat and Momentum Near the Ground* (*Adv. Geophys.*, 6, 1959, p. 259-268).

- J. RÖSCH, *Sur l'application de l'étude de l'agitation atmosphérique par la méthode de Hartmann au choix d'un emplacement d'observatoire* (*C. R. Acad. Sc.*, 239, 1954, p. 222-224).
- J. RÖSCH, *Procédé d'étude systématique de l'agitation des images télescopiques* (*J. Phys. Rad.*, 15, No. 6, 1954, p. 39-42).
- J. RÖSCH, *Fluctuations de température dans le tube d'une lunette astronomique* (*J. Phys. Rad.*, 16, No. 7, 1955, p. 54-56).
- J. RÖSCH, *L'agitation des images télescopiques* (*Ciel et Terre*, 71, 1955, p. 205-221).
- J. RÖSCH, *Sur la gémination des images télescopiques* (*C. R. Acad. Sc.*, 243, 1956, p. 2020-2023).
- J. RÖSCH, *Étude de l'agitation des images télescopiques par la méthode de Hartmann*. In : *Proceedings of a Symposium on Astronomical Optics*, ed. Z. Kopal, North-Holland Pub. Co., Amsterdam, 1956, p. 310-316).
- J. RÖSCH, *Sur la sélection dans le temps des images télescopiques les mieux définies* (*C. R. Acad. Sc.*, 244, 1957, p. 3027-3030).
- J. RÖSCH, *Variations de la scintillation, de l'agitation et de l'étalement de l'image d'une étoile en fonction du diamètre de l'objectif utilisé* (*C. R. Acad. Sc.*, 246, 1958, p. 384-385).
- J. RÖSCH, *Étude expérimentale des défauts de l'image d'une étoile en fonction du diamètre de l'objectif utilisé* (*C. R. Acad. Sc.*, 246, 1958, p. 559-561).
- J. RÖSCH, *Expériences préliminaires sur la sélection dans le temps des images stellaires les mieux définies* (*C. R. Acad. Sc.*, 247, 1958, p. 422-425).
- J. RÖSCH, *Sélection automatique des bonnes images sur la photosphère solaire* (*Astronomie*, 74, 1960, p. 485).
- J. RÖSCH, et al., *Report of the Working Group on Site Testing*, International Astronomical Union, Sub-Commission 9 b, 1961.
- J. RÖSCH, G. WLÉRICK, and M.-F. DUPRÉ, *La mesure des étoiles doubles au moyen de la photographie électronique* (*C. R. Acad. Sc.*, 252, 1961, p. 509-511).
- J. RÖSCH, *La détérioration des images solaires par l'atmosphère*. In : *Proceedings of the Symposium on Solar Seeing*, Rome, 1961, p. 35-48.
- R. A. ROSSITER, *Observing Conditions at Bloemfontein* (*Monthly Notes astr. Soc. South. Afr.*, 13, No. 10, 1954, p. 85-90).
- E. ROUGETET, and M. BOURGEOIS, *Indices de microclimat à Toulon* (*Météorologie*, 4, No. 21, 1951, p. 49-54).
- G. A. RUNE, *Rapport sur la méthode de Kukkamäki pour calculer l'action de la réfraction atmosphérique sur le nivelingement* (*Bull. géod.*, No. 18, 1950, p. 432-433).
- B. RUZICKOVÁ, *Photoelektrische Messungen der atmosphärischen Extinktion in Ondrejov* (*Bull. Astr. Inst. Czechosl.*, 11, No. 6, 1960, p. 242-247).
- K. R. SAHA, *Atmospheric Turbulence and Diffusion. I* (*Indian J. Meteorol. Geophys.*, 5, No. 3, 1954, p. 205-218).
- K. R. SAHA, *Atmospheric Turbulence and Diffusion. II* (*Indian J. Meteorol. Geophys.*, 5, No. 4, 1954, p. 297-304).
- J. SAISSAC, *Diffusion par turbulence dans la couche limite du sol* (*Météorologie*, 4, No. 56, 1959, p. 315-320).

- J. SAISSAC, *Validité de la méthode photométrique pour l'étude de la diffusion verticale des fumées* (*Notes Établ. Ét. Rech. météorol.*, No. 2, 1959).
- J. SAISSAC, *Profil de vent et gradient vertical de température* (*Notes Établ. Ét. Rech. météorol.*, No. 50, 1960).
- J. SAISSAC, *Composition de deux échelles de turbulence* (*Notes Établ. Ét. Rech. météorol.*, No. 88, 1961).
- J. SAKAGAMI, M. MOCHIZUKI, M. ISHIGE, and S. NAKAGAWA, *On the Structure of the Small-Scale Atmospheric Turbulence Near the Ground* (*J. meteorol. Soc. Jap.*, 37, No. 5, 1959, p. 160-163).
- L. SANTOMAURO, *La tour météorologique du C. N. R. N. de Ispra, Varese* (Italian) (*Minerva nucleare.*, 3, No. 2, 1959, p. 57-60).
- M. SANUKI, and N. TSUDA, *What are we Measuring on the Top of a Tower?* (*Papers Meteorol. Geophys.*, 8, No. 1, 1957, p. 98-101).
- F. SAUBERER, *Registrierungen der nächtlichen Ausstrahlung* (*Arch. Meteorol. Geophys. Bioklimatol.*, 2, No. 4, 1951, p. 347-359).
- F. SAUBERER, *Ueber die Strahlungsbilanz verschiedener Oberflächen und deren Messung* (*Wetter u. Leben*, 8, 1956, p. 12-26).
- W. E. SAUNDERS, *Night Cooling Under Clear Skies at Wittering* (*Meteorol. Mag.*, 87, No. 1029, 1958, p. 87-90).
- R. SAWADA, *Différence de température entre le sommet des montagnes et l'atmosphère libre* (*Geophys. Mag.*, 21, No. 2, 1950, p. 190-198).
- J. S. SAWYER, *Jet-Stream Features of the Earth's Atmosphere* (*Weather*, 12, No. 11, 1957, p. 333-344).
- L. SAXER, *Beziehungen zwischen quasiperiodischen Luftdruckschwankungen und meteorologischen Erscheinungen* (*Helv. phys. Acta*, 25, No. 5, 1952, p. 478-479).
- J. SCHAFFHAUSER, and E. SCHAFFHAUSER, *Ueber Herkunft und Ausbreitung der natürlichen Luftunruhe (Luftseismik)* (*Helv. phys. Acta*, 25, No. 5, 1952, p. 480-485).
- H. SCHEFFLER, *Astronomische Szintillation und atmosphärische Turbulenz* (*Astron. Nachr.*, 282, 1955, p. 193-205).
- H. SCHEFFLER, *Bemerkungen zur Theorie der astronomischen Sicht* (*Astron. Nachr.*, 283, 1956, p. 87-88).
- H. SCHEFFLER, *Zur Berücksichtigung der Mehrfachstreuung in der Theorie der Szintillation optischer und radiofrequenter Strahlung* (*Astron. Nachr.*, 284, 1957, p. 21-23).
- H. SCHEFFLER, *Strahlenoptische Ausbreitung in Medien mit statistisch verteilten Inhomogenitäten. I : Unregelmäßige Refraktion als Markoff-Prozess* (*Astron. Nachr.*, 284, 1958, p. 227-232).
- H. SCHEFFLER, *Strahlenoptische Ausbreitung in Medien mit statistisch verteilten Inhomogenitäten. II : Streuung in kleine Winkelbereiche* (*Astron. Nachr.*, 284, 1959, p. 269-274).
- H. SCHEFFLER, *Zur strahlenoptischen Theorie der Szintillation. I (Beitr. Phys. Atmosph.)*, 34, 1961, p. 198-233).
- H. SCHEFFLER, *Zur strahlenoptischen Theorie der Szintillation. II (Beitr. Phys. Atmosph.)*, 35, 1962, p. 9-17).

- H. SCHEFFLER, *Ueber die Genauigkeitsforderungen bei der Herstellung optischer Flächen für astronomische Teleskope* (*Z. Astrophysik*, 55, 1962, p. 1-20).
- H. SCHEFFLER, *Ueber die zweckmässige Flächengenauigkeit grosser astronomischer Spiegel* (*Optik*, 19, 1962, p. 478-486).
- F. SCHLESINGER, *Irregularities in Atmospheric Refraction* (*Publ. Allegheny Obs.*, 3, 1913, p. 1).
- F. SCHLESINGER, *Some Aspects of Astronomical Photography of Precision* (*Monthly Notices*, 87, 1927, p. 506-523).
- A. SCHMAUSS, *Ueber Luftrawinen* (*Ber. dtsch. Wetterdienstes U. S.-Zone*, No. 31, 1950, p. 14-16).
- F. SCHMEIDLER, *Ueber die Abhängigkeit der Bedingungen für visuelle astronomische Beobachtungen von der Wetterlage* (*Astron. Nachr.*, 281, No. 4, 1953, p. 157-169).
- F. SCHMEIDLER, *Ueber eine Störung der astronomischen Refraktion durch die abendliche Wärmestrahlung eines Gebäudes* (*Meteorol. Rdsch.*, 8, Nos. 1-2, 1955, p. 10-12).
- H. P. SCHMITZ, *Ueber Vertikalbewegung in der unteren Troposphäre* (*Geofis. pura appl.*, 15, Nos. 3-4, 1949, p. 215-219).
- K. SCHNEIDER-CARIUS, *Grundschicht und Nullschicht, zwei polare Schichtbildung in der Troposphäre* (*Arch. Meteorol. Geophys. Bioklimatol.*, Ser. A, 9, No. 3, 1956, p. 305-323).
- K. SCHROPP, *Die Temperaturen technischer Oberflächen unter Einfluss der Sonnenbestrahlung und der nächtlichen Ausstrahlung* (*Gesundheits-Ing.*, 1931, p. 729-736).
- B. R. SCHULZE, *The Climate of South Africa According to Thornwaite's Rational Classification* (*South Afr. geogr. J.*, 40, 1958, p. 31-53).
- M. SCHWARZSCHILD, *Photographs of the Solar Granulation Taken from the Stratosphere* (*Astrophys. J.*, 130, 1959, p. 345).
- Scintillation* (*Mar. Observer*, 24, No. 165, 1954, p. 145).
- Scintillation* (*Mar. Observer*, 26, No. 171, 1956, p. 16).
- Scintillation* (*Mar. Observer*, 27, No. 175, 1957, p. 12-13).
- Scintillation* (*Mar. Observer*, 29, No. 186, 1959, p. 179).
- Scintillation* (*Mar. Observer*, 32, No. 196, 1962, p. 59-60).
- R. S. SCORER, *Air Flow Over Mountains* (*Sc. Progr.*, 40, No. 159, 1952, p. 466-477).
- R. S. SCORER, *Theory of Airflow Over Mountains. II. The Flow Over a Ridge* (*Quart. J. roy. meteorol. Soc.*, 79, No. 339, 1953, p. 70-83).
- R. S. SCORER, and F. H. LUDLAM, *Bubble Theory of Penetrative Convection* (*Quart. J. roy. meteorol. Soc.*, 79, No. 339, 1953, p. 94-103).
- R. S. SCORER, *Theory of Airflow Over Mountains. III : Airstream Characteristics* (*Quart. J. roy. meteorol. Soc.*, 80, No. 345, 1954, p. 417-428).
- R. S. SCORER, *Bubble Convection* (*Meteorol. Mag.*, 83, No. 985, 1954, p. 202-208).
- R. S. SCORER, *Turbulence Generated in Standing Waves* (*Quart. J. roy. meteorol. Soc.*, 80, No. 346, 1954, p. 629-630).
- R. S. SCORER, *Theory of Airflow Over Mountains. IV : Separation of Flow from the Surface* (*Quart. J. roy. meteorol. Soc.*, 81, No. 349, 1955, p. 340-350).

- R. S. SCORER, and M. WILKINSON, *Waves in the Lee of an Isolated Hill* (*Quart. J. roy. meteorol. Soc.*, 82, No. 354, 1956, p. 419-427).
- R. S. SCORER, *Airflow Over an Isolated Hill* (*Quart. J. roy. meteorol. Soc.*, 82, No. 351, 1956, p. 75-81).
- R. S. SCORER, *Vorticity* (*Weather*, 12, No. 3, 1957, p. 72-84).
- R. S. SCORER, *Airflow Over Mountains : Indeterminacy of Solution* (*Quart. J. roy. meteorol. Soc.*, 84, No. 360, 1958, p. 182-183).
- R. S. SCORER, *Airflow Over Mountains : Indeterminacy of Solution* (*Quart. J. roy. meteorol. Soc.*, 84, No. 361, 1958, p. 284-285).
- R. S. SCORER, *Airflow Over Mountains : Indeterminacy of Solution* (*Quart. J. roy. meteorol. Soc.*, 84, No. 362, 1958, p. 464-466).
- R. S. SCORER, and H. KLEIFORTH, *Theory of Mountain Waves of Large Amplitude* (*Quart. J. roy. meteorol. Soc.*, 85, No. 364, 1959, p. 131-143).
- R. S. SCORER, *Stirring Motions Induced in Stably Stratified Airstreams by Flow Over Mountains*. In : *Proceedings of Symposium on Atmospheric Turbulence* (H. M. S. O.), 1963.
- K. SERKOWSKI, J. STODOKIEWICZ, and others, *A Study of the Microclimate in the Region South and East of Warsaw* (*Acta astr.*, 10, No. 3, 1960, p. 189-204).
- K. SERKOWSKI, *The Sun as a Variable Star. II* (*Lowell Obs. Bull.*, 116, 5, No. 11, 1961, p. 157).
- J. B. SHAW, *Vertical Temperature Gradient in the First 2 000 feet* (*Meteorol. Mag.*, 84, No. 998, 1955, p. 233-241).
- P. A. SHEPPARD, *Airflow Over Mountains* (*Quart. J. roy. meteorol. Soc.*, 82, No. 354, 1956, p. 528-529).
- P. A. SHEPPARD, *Airflow Over Mountains* (*Quart. J. roy. meteorol. Soc.*, 83, No. 356, 1957, p. 271).
- R. H. SHERLOCK, *Wind Forces on Structures : Nature of the Wind* (*Proc. amer. Soc. civ. Engrs. J. struct. Dov.*, 84, No. 8, 1958, p. 1882-1917).
- A. SHIMANUKI, *On the Probability Distribution of the Auto-Correlation Function in Atmospheric Turbulence* (*Sc. Rep. Tohoku Univ.*, Ser. V, 11, No. 2, 1959, p. 132-147).
- M. SHIOTANI, *Turbulence in the Lowest Layers of the Atmosphere* (*Sc. Rep. Tohoku Univ.*, Ser. V, 2, No. 3, 1950, p. 167-201).
- M. SHIOTANI, *Some Notes on the Structure of Wind in the Lowest Layer of the Atmosphere* (*J. meteorol. Soc. Jap.*, 31, No. 10, 1953, p. 327-335).
- M. SHIOTANI, *On the Fluctuation of the Temperature and Turbulent Structure Near the Ground* (*J. meteorol. Soc. Jap.*, 33, No. 3, 1955, p. 117-123).
- M. SHIOTANI, *On the Statistics of Fluctuations of Wind Velocity in the Lowest Atmosphere*. In : *Proc. 6 th. Jap. Nation. Congr. appl. Mech.*, Kyoto, 1956. Tokyo, Sc. Counc. Jap., 1957, p. 311-314.
- H. SIEDENTOPF, *Luftunruhe und Szintillation* (*Die Sterne*, 19, 1939, p. 145).
- H. SIEDENTOPF, and F. WISCHAK, *Die Szintillation der Strahlung terrestrischer Lichtquellen und ihr Gang mit der Tageszeit* (*Optik*, 3, Nos. 5-6, 1948, p. 430-443).
- H. SIEDENTOPF, *Der Einfluss der Erdatmosphäre bei astronomischen Beobachtungen* (*Naturwissenschaften*, 35, No. 10, 1948, p. 289-298).

- H. SIEDENTOPF, and H. ELSÄSSER, *Szintillationsuntersuchungen am Jungfraujoch* (*Z. Astrophys.*, 35, No. 1, 1954, p. 21-35).
- H. SIEDENTOPF, *Climate of the Union of South Africa*, Astronomical Institute of the University, Tübingen, 1955.
- H. SIEDENTOPF, *Scintillation and Photometric Accuracy*. In : *Proc. Symposium on Astronom. Optics and Related Subjects*, Manchester, 1955. Amsterdam, North-Holland Publ. Co., 1956, p. 317-322.
- B. A. SILVERMAN, *The Effect of a Mountain on Convection*. In : C. E. Anderson, ed., *Cumulus Dynamics*, Oxford, 1960, p. 4.
- O. SIMONSEN, *Effets de la réfraction atmosphérique sur les nivellements observés par un procédé optique* (*Bull. Géod.*, Suppl., No. 34, 1954, p. 432-434).
- G. C. SIMPSON, *La visibilité et les propriétés optiques de l'atmosphère* (*Meteorol. Off., Profess. Notes*, 6, No. 94, 1948, p. 11).
- I. A. SINGER, and C. M. NAGLE, *A Study of the Wind Profile in the Lowest 400 feet of the Atmosphere* (Progress Report No. 7, May 16, 1960-September 15, 1960), Washington, U. S. Dept. Commerce, 1961, III-13 pages.
- I. A. SINGER, and C. M. NAGLE, *A Study of the Wind Profile in the Lowest 400 feet of the Atmosphere* (Progress Report No. 8, September 16, 1960-January 15, 1961), Washington, U. S. Dept. Commerce, 1961, III-28 pages.
- K. L. SINHA, *Evidence of Clear-Air Turbulence* (*Weather*, 9, No. 1, 1954, p. 3-8).
- G. M. SISSON, *A New 75-inch Telescope for Saint-Michel Observatory, Basses-Alpes* (*Nature*, 179, No. 4567, 1957, p. 937-939).
- G. F. SITNIK, *Le coefficient de transparence de l'atmosphère terrestre et ses relations avec le halo variable qui entoure le disque solaire* (Russian) (*Astr. Zh. S. S. S. R.*, 33, No. 1, 1956, p. 101-113).
- A. A. SKVORCOV, *Sur la convection et l'échange thermique dans la couche d'atmosphère touchant la Terre* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geofiz., No. 6, 1951, p. 60-80).
- Ja. A. SMAL'KO, *Sur le mécanisme de la défense contre le vent à l'aide de bandes forestières de diverses dispositions* (Russian) (*Izvest. Akad. Nauk S. S. S. R.*, Ser. geogr., No. 4, 1960, p. 99-103).
- A. G. SMITH, and M. L. VATSIA, *Effects of Long Air Paths on Photographic Resolution* (*Bull. amer. Phys. Soc.*, 2, No. 5, 1957, p. 284).
- F. B. SMITH, and P. F. ABBOTT, *Statistics of Lateral Gustiness at 16 m Above Ground* (*Quart. J. roy. meteorol. Soc.*, 87, No. 374, 1961, p. 549-561).
- H. J. SMITH, and R. E. MACCROSKEY, *Night Cloud Coverage in the Southwest with Reference to Astronomical Observing Conditions* (*Astr. J.*, 59, No. 4, 1954, p. 156-162).
- SOUTHERN HEMISPHERE PROJECT OF THE WEATHER BUREAU, SOUTH AFRICA, *General Information Regarding the Tables, Diagrams and Charts Published in Notos*, 4, Nos. 1-2-3-4, 1955, p. 51-56, 126, 216 and 294).
- H. SPENCER JONES, *Cloudiness in Relation to Choice of Astronomical Sites* (*Science*, 116, No. 3021, 1952, p. 572).
- E. A. SPIEGEL, *Thermal Turbulence at Very Small Prandtl Number* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3063-3070).

- G. SPURR, *The Channelling Effect of a Valley* (*Weather*, 14, No. 9, 1959, p. 270-272).
- J. D. STACKPOLE, *Some Spectra of Turbulence in the Free Atmosphere* (*Bull. amer. meteorol. Soc.*, 39, No. 9, 1958, p. 492).
- D. O. STALEY, *The Diurnal Temperature Wave for Quadratic and Exponential Variation of the Austausch Coefficient* (*Arch. Meteorol. Geophys. Bioklimatol.*, Ser. A, 9, No. 1, 1956, p. 25-35).
- S. PLAKIDIS, *The Astronomical Station at Pentele of the National Observatory of Athens. History of Selection and Study of the Site*. In : *Astronomy in Modern Greece*, Athens-Greece, 1960, p. 14-21.
- W. H. STEAVENSON, *Air Disturbances in Reflectors*. In : *Vistas in Astronomy*, ed. by A. Beer, The Pergamon Press, London and New York, 1, 1955, p. 473-474.
- J. STEBBINS, *On Atmospheric Extinction* (*Astr. J.*, 60, No. 1, 1955, p. 27-28).
- W. R. STEIGER, and J. W. LITTLE, *On the Feasibility of a Solar Observatory in the Hawaian Islands* (*Publ. astr. Soc. Pacific.*, 70, No. 417, 1958, p. 556-560).
- L. STEINICH, *Zum Problem der Seitenrefraktion* (*Vermessungstechnik*, 7, No. 8, 1959, p. 217-221).
- H. S. STEWART, and J. A. CURCIO, *The Influence of Field of View on Measurements of Atmospheric Transmission* (*J. Opt. Soc. Amer.*, 42, No. 11, 1952, p. 801-805).
- R. M. STEWART, Jr., *A Compatible Recording-Tabulation Technique Applied to a Statistical Study of Atmospheric Temperature Fluctuations* (*Iowa State Coll. J. Sc.*, 29, No. 3, 1955, p. 507-508).
- G. J. STILES, *Optical Observations of Turbulence in the Lower Atmosphere* (*J. Opt. Soc. Amer.*, 47, No. 4, 1957, p. 346).
- R. H. STOY, *Observing Conditions in South Africa*. In : *Astronomical Photoelectric Conference*, Lowell Obs., Flagstaff, Arizona, August 31-Septembre 1, 1953, Indiana U., p. 97-101.
- R. H. STOY, *Observing Conditions in South Africa* (*Astr. J.*, 60, No. 1, 1955, p. 30).
- K. A. STRAND, *Astronomical Refraction at Large Zenith Distances* (*Astr. J.*, 57, No. 6, 1952, p. 166).
- C. SUGAWA, *Note on the Study of the Room Refraction* (*Publ. astr. Soc. Jap.*, 6, No. 3, 1954, p. 124-139).
- C. SUGAWA, *On the Effect of the Anomalous Refraction on the Latitude Observations* (*Publ. astr. Soc. Jap.*, 8, No. 1, 1956, p. 27-39).
- O. G. SUTTON, *The Application to Micrometeorology of the Theory of Turbulent Flow Over Rough Surfaces* (*Quart. J. roy. meteorol. Soc.*, 75, No. 326, 1949, p. 335-350).
- S. SUZUKI, and K. YABUKI, *The Air-Flow Crossing Over the Mountain Range* (*Geophys. Mag.*, 27, No. 2, 1956, p. 273-291).
- W. C. SWINBANK, *The Measurement of Vertical Transfer of Heat and Water Vapor by Eddies in the Lower Atmosphere* (*J. Meteorol.*, 8, No. 3, 1951, p. 135-145).
- W. C. SWINBANK, *The Criterion of Atmospheric Turbulence* (*Quart. J. roy. meteorol. Soc.*, 78, No. 337, 1952, p. 420-422).

- W. C. SWINBANK, *An Experimental Study of Eddy Transports in the Lower Atmosphere*. In : *Scientific Proceedings of the International Association of Meteorology*, Rome, 1954; London, Butterworths Publications, 1956, p. 414.
- W. C. SWINBANK, *Wind Profile in Thermally Stratified Flow* (*Nature*, 186, No. 4723, 1960, p. 463-464).
- S. SYONO, *Frequency Distribution Functions of Velocity in Turbulent Flow* (*J. meteorol. Soc. Jap.*, 31, No. 9, 1953, p. 299-306). Errata : *J. meteorol. Soc. Jap.*, 31, Nos. 11-12, 1953.
- L. TAKACS, and A. ZACH, *Ueber die Observabilität der nächtlichen Bewölkung* (*Időjáras*, 63, No. 4, 1959, p. 199-206).
- K. TAKEDA, *On the Atmospheric Turbulence. IV : On the Mixing-Length Near the Earth's Surface* (*J. meteorol. Soc. Jap.*, 30, No. 4, 1952, p. 141-146).
- K. TAKEUCHI, *On the Structure of the Turbulent Field in the Surface Boundary Layer. Analysis of the Data Obtained at O'Neill, Nebraska* (*J. meteorol. Soc. Jap.*, 39, No. 6, 1961, p. 346-367).
- J. J. TALJAARD, *Stable Stratification in the Atmosphere Over Southern Africa* (*Notos*, 4, No. 3, 1955, p. 217-230).
- W. G. TANK, and D. R. MAKELA, *An Optical System for Studying Atmospheric Turbulence* (*J. Geophys. Res.*, 66, No. 5, 1961, p. 1549).
- V. I. TATARSKI, *On the Criterion for the Applicability of Geometrical Optics in Problems of Wave Propagation in a Medium with Weak Refractive Index Inhomogeneities* (*Zh. eksp. teor. fiz.*, 25, 1953, p. 84).
- V. I. TATARSKI, *Microstructure du champ de température dans la couche atmosphérique proche de la Terre* (Russian) (*Izvest. Akad. Nauk S. S. S. R., Ser. geofiz.*, No. 6, 1956, p. 689-699).
- V. I. TATARSKI, *Sur les pulsations de l'amplitude et de la phase d'une onde se propageant dans une atmosphère faiblement hétérogène* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 107, No. 2, 1956, p. 245-248).
- V. I. TATARSKI, *Micro-Inhomogeneities of the Temperature Field and Fluctuation Phenomena of Waves Propagating in the Atmosphere* (*Dissertation, Akust. Inst. Akad. Nauk S. S. S. R.*, Moscow, 1957).
- V. I. TATARSKI, A. S. GURVICH, M. A. KALLISTRATOVA, and L. V. TERENT'EEVA, *L'influence des conditions météorologiques sur l'intensité de la scintillation dans la couche atmosphérique proche de la Terre* (Russian) (*Astr. Zh.*, S. S. S. R., 35, No. 4, 1958, p. 123-126).
- V. I. TATARSKI, and L. N. ZHUKOVA, *Sur la scintillation chromatique des étoiles* (Russian) (*Dokl. Akad. Nauk S. S. S. R.*, 124, No. 3, 1959, p. 567-570).
- R. J. TAYLOR, *Some Observations of Wind Velocity Autocorrelations in the Lowest Layers of the Atmosphere* (*Austr. J. phys.*, 8, No. 4, 1955, p. 535-544).
- R. J. TAYLOR, *Space and Time Correlations in Wind Velocity* (*J. Meteorol.*, 14, No. 4, 1957, p. 378-379).
- R. J. TAYLOR, *Thermal Structures in the Lowest Layers of the Atmosphere* (*Austr. J. Phys.*, 11, No. 2, 1958, p. 168-176).

- F. TEICHERT, *Untersuchungen zum Brechungs-Index der Luft* (*Z. Meteorol.*, 10, No. 11, 1956, p. 323-330).
- J. TEXEREAU, *Quelques reflexions sur l'efficacité des grands instruments* (*Astronomie*, 72, 1958, p. 519-524).
- J. TEXEREAU, *Turbulence et structures d'images photographiques dans un grand télescope* (*Astronomie*, 76, 1962, p. 159-166).
- A. D. THACKERAY, *Nocturnal Temperature Ranges, Winds, and Seeing Conditions at the Radcliffe Observatory*, Pretoria (*Monthly Notes astr. Soc. South Afr.* 15, 1956, 35-39).
- M. C. THOMPSON, Jr., H. B. JANES, and F. E. FREETHY, *Atmospheric Limitations on Electronic Distance-Measuring Equipment* (*J. Geophys. Res.*, 65, No. 2, 1960, p. 389-393).
- M. P. TIMOFEJEW, *Untersuchungen zur Physik der bodennahen Schicht der Atmosphäre* (*Z. Meteorol.*, 12, No. 3, 1958, p. 65-73).
- C. W. TOMBAUGH, and B. A. SMITH, *A Seeing Scale for Visual Observers* (*Sky and Telescope*, 17, No. 9, 1958, p. 449-450).
- R. TOUSEY, and M. J. KOOMEN, *The Visibility of Stars and Planets During Twilight* (*J. Opt. Soc. Amer.*, 43, No. 3, 1953, p. 177-183).
- A. A. TOWNSEND, *Natural Convection in the Earth's Boundary Layer* (*Quart. J. roy. meteorol. Soc.*, 88, No. 375, 1962, p. 51-56).
- R. TRAPPENBERG, *Ein Beitrag zu den Windverhältnissen in den ersten 100 m der Atmosphäre* (*Ber. dtsch. Wetterdienstes*, 8, No. 57, 1959).
- D. O. TRIEGAARDT, and G. M. E. KRAUS, *An Example of Wave Disruption Over Southern Africa* (*Notos, Weather Bur. South Afr.*, 6, Nos. 1-2, 1957, p. 6-12).
- C. TROLL, *Der jahreszeitliche Ablauf des Naturgeschehens in den verschiedenen Klimagürteln der Erde* (*Stud. gen.*, 8, No. 12, 1955, p. 713-733).
- L. N. TULENKOVA, *Bestimmung der Szintillation aus Beobachtungen am Observatorium des Astrophysikalischen Institutes* (Russian) (*Mitt. Obs. Alma-Ata*, 7, 1958, p. 74-78).
- H. S. TURNER, *Clear Air Turbulence and Topography* (*Weather*, 10, No. 9, 1955, p. 294-297).
- H. S. TURNER, *The Geographical Distribution of Clear-Air Turbulence* (*Meteorol. Mag.*, 88, No. 1040, 1959, p. 33-38).
- B. VALTAT, *Note sur les modifications de structure thermique des basses couches pour divers régimes de vent au sol à Dumont d'Urville* (*Météorologie*, No. 57, 1960, p. 128-133).
- O. B. VASILYEV, and V. V. VJAZOVOV, *A Study of Stellar Image Motion Made in the Kuban Expedition* (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 22, No. 170, 1962, p. 144-154).
- M. L. VATSIA, *A Phase Contrast Investigation of Atmospheric Turbulence* (*Dissert. Abstr.*, 19, No. 7, 1959, p. 1798).
- S. P. VENKITESHWARAN, *A Method of Determining Regions of Turbulence in the Upper Air* (*J. Madras Inst. Technol.*, 1, No. 2, 1953, p. 211-220).
- S. P. VENKITESHWARAN, and A. P. JAYARAJAN, *Observations of Turbulence in the Upper Air with the F-Type Radiosonde* (*Indian J. Meteorol. Geophys.*, 3, No. 3, 1952, p. 203-211).

- R. G. VERYARD, *The Formation of Duststorms* (*Weather*, 4, No. 11, 1949, p. 371).
- B. I. VLASOV, *Les variations de la direction d'une étoile en fonction de l'agitation atmosphérique* (Russian) (*Trav. 14^e Coll. astrométr. U. R. S. S.*, Kiev, 1958; Moskva, Leningrad, Izdat. Akad. Nauk S. S. S. R., 1960, p. 197-202).
- J. VOGÉ, *Fluctuations du champ électromagnétique dues à la turbulence, à l'extrémité d'un trajet de propagation en visibilité directe* (*C. R. Acad. Sc.*, 237, 1953, p. 351-353).
- H. VOIGTS, *Experimentelle Untersuchungen über den Kaltluftfluss in Bodennähe bei verschiedenen Neigungen und verschiedenen Hindernissen* (*Meteorol. Rdsch.*, 4, Nos. 9-10, 1951, p. 185-188).
- F. VOLZ, *Neue Ergebnisse zur Optik und Meteorologie der atmosphärischen Trübung* (*Phys. Verhdlg.*, 4, No. 8, 1953, p. 234).
- E. VOWINCKEL, *Temperatur und Feuchtigkeit der bodennahen Luftschicht in Pretoria* (*Meteorol. Rdsch.*, 4, 1951, p. 22-23).
- E. VOWINCKEL, *Beitrag zur Witterungsklimatologie Südafrikas* (*Arch. Meteorol. Geophys. Bioklimatol.*, Ser. B, 7, No. 1, 1955, p. 11-31).
- L. A. VUORELA, *A Study of Vertical Velocity Distribution in Some Jet-Stream Cases Over Western Europe* (*Geophysica*, 6, No. 2, 1957, p. 68-90).
- M. WALDMEIER, *Ueber die Möglichkeit fortlaufender Koronabeobachtungen* (*Z. Astrophysik*, 26, 1949, p. 158).
- G. O. WALLBRECHER, *Observatory in Patagonia* (*Sky and Telescope*, 15, No. 2, 1955, p. 61).
- C. E. WALLINGTON, *A Numerical Study of the Topographical Factor in Lee-Wave Amplitudes* (*Quart. J. roy. meteorol. Soc.*, 84, No. 362, 1958, p. 428-433).
- WAN-CHENG-CHIU, *The Wind and Temperature Spectra of the Upper Troposphere and Lower Stratosphere Over North America* (*J. Meteorol.*, 17, No. 1, 1960, p. 64-77).
- R. C. WANTA, *The Onset of Turbulence in an Elevated Layer Near Sunrise* (*Quart. J. roy. meteorol. Soc.*, 79, No. 341, 1953, p. 398-402).
- G. F. WARN, *Some Dust Storm Conditions of the Southern High Plains* (*Bull. amer. meteorol. Soc.*, 33, No. 6, 1952, p. 240-243).
- G. WARNECKE (*Meteorologische Abhandlungen*, 28, 1962, p. 2, Institut für Meteorologie und Geophysik der Freien Universität Berlin).
- J. T. WATSON, *Laboratory Study of the Effects of Thermal Air Turbulence on Resolution* (*J. Opt. Soc. Amer.*, 47, No. 11, 1957, p. 1056).
- E. K. WEBB, *Autocorrelations and Energy Spectra of Atmospheric Turbulence* (*C.S.I.R.O.*, Tech. Paper., Div. meteorol. Phys., No. 5, 1955).
- E. K. WEBB, *Thermal Convection with Wind Shear* (*Nature*, 193, No. 4818, 1962, p. 840-842).
- H. WEICKMANN, and K. BULLRICH, *Contribution à la détermination de la visibilité nocturne* (*Meteorol. Rdsch.*, 2, Nos. 9-10, 1949, p. 289-290).
- A. R. WEILLER, *De la variation du coefficient de viscosité cinématique turbulente avec l'altitude* (*J. sc. Météorol.*, 8, No. 31, 1956, p. 99-105).
- L. WELCH, *Thermals as Seen by Glider Pilots* (*Quart. J. roy. meteorol. Soc.*, 79, No. 341, 1953, p. 429-430).

- G. WEST, *Wind Recorder for Microclimatology* (*Electronics*, 25, No. 6, 1952, p. 136-138).
- A. D. WHEELON, *Spectrum of Turbulent Fluctuations Produced by Convective Mixing of Gradients* (*Phys. Rev.*, 108, No. 5, 1957, p. 1348).
- T. WIDORN, *Die atmosphärischen Verhältnisse bei astronomischen Beobachtungen in Wien* (*Österr. Akad. Wissensch., Sitzber., Abt. II A*, 162, Nos. 5-6-7, 1953, p. 169-178; *Mitt. Univ.-Sternwarte Wien*, 6, No. 11, 1954, p. 199-208).
- I. K. WILLIAMSON, *Our Choice of an Observatory Site*. In : *A.A.V.S.O. Abstracts*, 46th Spring Meeting, 1957, p. 8-9.
- M. H. WIMBUSH, *Optical Astronomical Seeing : a Review*, Hawaii Inst. of Geophysics, University of Hawaii, May 1961. Prepared for the Solar Research Program, A.F.C.R.L.-697, Report No. 16, under Air Force Contract No. AF-19 (604)-2292.
- R. N. WOLFE, C. A. MORRISON, and H. R. CONDIT, *Experimental Technique for Studying Atmospheric Turbulence* (*J. Opt. Soc. Amer.*, 49, No. 8, 1959, p. 829-830).
- H. WOOD, *Astronomy in Australia* (*J. Proc. roy. Soc. New South Wales*, 84, No. 1, 1951, p. 3-15).
- N. P. WOODRUFF, and A. W. ZINGG, *A Comparative Analysis of Wind-Tunnel and Atmospheric Air-Flow Patterns about Single and Successive Barriers* (*Trans. amer. geophys. Un.*, 36, No. 2, 1955, p. 203-208).
- B. WOODWARD, *The Motion in and around Isolated Thermals* (*Quart. J. roy. meteorol. Soc.*, 85, No. 364, 1959, p. 144-151).
- B. WOODWARD, *The Motion in and around Isolated Thermals* (*Quart. J. roy. meteorol. Soc.*, 85, No. 366, 1959, p. 438-441).
- B. WOODWARD, *Penetration Convection in the Subcloud Régime*. In : C. E. Anderson, ed., *Cumulus Dynamics*, Oxford, 1960.
- WORKING GROUP, *Aviation Aspect of Mountain Waves* (World Meteorological Organization, Technical Note No. 18, W. M. O. No. 68, T. P. 26, 1958).
- A. M. YAGLOM, *On the Local Structure of the Temperature Field in a Turbulent Flow* (*Dokl. Akad. Nauk S. S. S. R.*, 69, 1949, p. 743). German Translation in *Sammelband zur Statistischen Theorie der Turbulenz*, Akademie-Verlag Berlin, 1958, p. 141.
- A. M. YAGLOM, *Some Mathematical Models Generalizing the Model of Homogeneous and Isotropic Turbulence* (*J. Geophys. Res.*, 67, No. 8, 1962, p. 3081-3088).
- G. YAMAMOTO, *Influence of Stability on Turbulent Transfer Near the Ground* (*Sc. Rep. Tohoku Univ.*, Ser. V, 4, No. 2, 1952, p. 88-93).
- G. YAMAMOTO, and M. SHIOTANI, *Turbulence in the Free Atmosphere* (*Geophys. Mag.*, 20, No. 1, 1948, p. 21-30).
- R. YAMASHITA, *On Breezes along a Mountain Slope* (*J. meteorol. Soc. Jap.* 32, No. 1, 1954, p. 1-10).
- A. H. YATES, *Atmospheric Convection; the Structure of Thermals below Cloud-Base* (*Quart. J. roy. meteorol. Soc.*, 79, No. 341, 1953, p. 420-424).
- H. W. YATES, *Atmospheric Refraction over Water* (*J. Opt. Soc. Amer.*, 47, No. 1, 1957, p. 113).

- J. YELLOTT, and P. KOKOROPOULOS, *Nocturnal Heat Loss from Horizontal Surfaces in Arid Regions*. In : *Conf. N. U. Sources nouv. Energ.*, 1961, P. 1, S-34, III-19-vii pages.
- M. YOSHINO, *Wind Speed Profiles of the Lowest Air Layer Under Influences of Micro-Topography* (*J. meteorol. Soc. Jap.*, 36, No. 5, 1958, p. 174-186).
- F. S. ZANON, *Pulsations à période très brève de la pression atmosphérique* (Italian) (*Ann. Geofis.*, 2, No. 4, 1949, p. 576-588).
- J. K. ZBROZEK, *The Relationship Between the Discrete Gust and Power Spectra Presentations of Atmospheric Turbulence, with a Suggested Model of Low-Altitude Turbulence* (*Aeronaut. Res. Coun. Rep. Memor.*, No. 3216, 1961).
- L. N. ZHUKOVA, *Enregistrement de la scintillation stellaire par une méthode photoélectrique*. (Russian) (*Izvest. glavn. astr. Obs. Pulkovo*, 21, No. 3, 1958, p. 72-82; *Izvest. glavn. astr. Obs. Akad. Nauk*, 21, No. 162, 1958).
- L. N. ZHUKOVA, *Les scintillations chromatiques* (Russian) (*Astr. Zh.*, S.S.S.R., 36, No. 3, 1959, p. 548-549).
- J. ZIEREP, *Das Leewellenproblem der Meteorologie* (*Naturwissenschaften*, 45, No. 9, 1958, p. 197-200).
- D. ZINDEL, *Ein Gerät zur lichtelektrischen Schärfemessung* (*Z. Astrophysik*, 57, No. 2, 1963, p. 83-86).
- F. ZWICKY, *Seeing* (*Publ. astr. Soc. Pacific*, 62, No. 367, 1950, p. 150-155).
- F. ZWICKY, *Atmospheric Disturbances and Stellar Scintillation* (*Bull. amer. Phys. Soc.*, 28, No. 7, 1953, p. 12).
- F. ZWICKY, *Aerial Blobs* (*Science*, 122, No. 3169, 1955, p. 159-160).

