Meetings

Darwin-Wallace Centennial

This year is the centenary of the reading of the joint paper "On the tendency of species to form varieties; and on the perpetuation of varieties and species by natural means of selection," by Charles Robert Darwin and Alfred Russel Wallace. It is appropriate, therefore, that biologists throughout the world should be celebrating the initial presentation of the theory of natural selection to the Linnean Society of London in 1858, for this first reading of the Darwin-Wallace paper was indeed an event of great significance in the history of science and in the more comprehensive history of mankind.

The coincidence of this centenary with the meetings of the 15th International Congress of Zoology in London was made the occasion for various ceremonies and events to honor the great revolution in human thought initiated by Darwin and Wallace. Furthermore, since this year is the bicentenary of the tenth edition of the *Systema Naturae* by Linnaeus, the celebration of the Darwin-Wallace centenary was linked with ceremonies to honor the great advance in biological thought and practice initiated by the founder of modern biological nomenclature.

It was most appropriate that the Linnean Society should mark this date, not only because of Linnaeus but also because it was in the meeting room of this society that the reading of the Darwin-Wallace paper took place. It was also appropriate that the Congress of Zoology should make the work of Linnaeus, Darwin, and Wallace a central theme for the meetings.

The celebration was most auspiciously inaugurated on 1 July with a meeting in the Linnean Society room, just 100 years to the day after the first reading of the Darwin-Wallace paper. Here, in the presence of the president and the council of the society and of invited guests, a Darwin-Wallace memorial tablet was unveiled, in honor of the historic meeting of a century ago.

On the afternoon of 15 July, the day before the opening of the Congress of Zoology, a special Linnaeus-Darwin-Wallace meeting of the Linnean Society was held in the Memorial Hall of the Royal Geographical Society. At this meeting, presided over by C. F. A. Pantin, president of the Linnean Society, special Darwin-Wallace medals, struck in honor of the occasion, were presented to 20 outstanding biologists (or their representatives) for their contributions to modern biological and evolutionary theory and practice. The biologists so honored were as follows: Edgar Anderson, the late M. Caullery (who had died, at an advanced age, a few days before the meeting), Ronald Fisher, R. Florin, J. B. S. Haldane, Roger Heim, J. Hutchinson, Julian Huxley, Ernst Mayr, H. J. Muller, A. N. Pavlovsky, Bernhard Rensch, George Gaylord Simpson, C. J. F. Skottsberg, Erik A. Stensiö, Hamshaw Thomas, G. Turesson, Victor van Straelen, D. M. S. Watson, and the late J. C. Willis.

Following the presentation of the medals, A. Tindell Hopwood gave a paper on "The pre-Linnaean development of taxonomy," and A. J. Cain presented a paper on "The post-Linnaean development of taxonomy."

On the evening of this same day a *conversazione* was held at the rooms of the Royal Society, the Linnean Society, and the Geological Society in Burlington House. Guests were received by Cyril Hinshelwood, C. F. A. Pantin, and C. J. Stubblefield, the presidents, respectively, of the three societies. The guests then circulated through the rooms of the three societies, in which were displayed exhibits of Darwiniana and Wallaceiana. There was also a special showing of a film by H. B. D. Kettlewell, entitled

"Darwin and the insect adaptations of Brazil."

On the morning of the following day, 16 July, the inaugural meeting of the Zoological Congress was held in Albert Hall; Gavin de Beer presided. Various members of the Darwin and Wallace families were seated on the rostrum. Julian Huxley delivered a special Darwin-Wallace centenary address. He traced briefly the work of Darwin and Wallace and the events leading up to the presentation of their joint paper in 1858. He pointed out in particular how loath Darwin was to publish the results of his long and extended studies until he received the stimulus from Wallace, who had been thinking along lines exactly parallel to his own. He concluded by pointing out the fact that future evolutionary progress is to a large degree within the hands of mankind.

The scientific sessions of the congress followed for a week, and at many of these evolution was an important topic for discussion.

There were excursions for congress members to Darwin's home, Down House, and on one afternoon invited guests had the privilege and pleasure of meeting various members of the Darwin family there.

During the special meetings of the Linnean Society and throughout the congress meetings the names of Darwin, Wallace, and Linnaeus were signally honored. The summer of 1958 will remain ever memorable to biologists because of them.

EDWIN H. COLBERT
American Museum of Natural History and Columbia University, New York, New York

Forthcoming Events

February

14. Differentiation in Current Mating and Fertility Trends, intern. symp., New York, N.Y. (American Eugenics Soc., Inc., 230 Park Ave., New York 17.)

15–19. American Inst. of Mining, Metallurgical, and Petroleum Engineers, annual, San Francisco, Calif. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18.)

16–19. Problems in Field Studies in Mental Disorders, intern. work conf., New York, N.Y. (J. Zubin, American Psychopathological Assoc., 722 W. 168 St., New York 32.)

20–21. Epidemiology in Mental Disorders, annual meeting of the American Psychopathological Assoc., New York, N.Y. (J. Zubin, APA, 722 W. 168 St., New York 32.)

23–27. American Concrete Inst., 55th annual, Los Angeles, Calif. (W. A. Maples, A.C.I., 18263 W. McNichols Rd., Detroit 19, Mich.)

25–26. Midwest Industrial Radioisotopes Conf., Manhattan, Kan. (J. Kit-

chens, Dept. of Continuing Education, Kansas State College, Manhattan.)

25–27. Biophysical Soc., annual, Pittsburgh, Pa. (G. Felsenfeld, Dept. of Biophysics, Univ. of Pittsburgh, 325 Clapp Hall, Pittsburgh 13.)

26–28. American Acad. of Forensic Sciences, annual, Chicago, Ill. (W. J. R. Camp, AAFS, 1853 W. Polk St., Chicago 12.)

26–28. Genetics and Cancer, 13th annual symp. on fundamental cancer research, Houston, Tex. (Editorial Office, Univ. of Texas, M. D. Anderson Hospital and Tumor Inst., Texas Medical Center, Houston 25.)

27–1. National Wildlife Federation, 23rd annual convention, New York, N.Y. (NWF, 232 Carroll St., NW, Washington 12.)

March

1–2. Pennsylvania Acad. of Sciences, Gettysburg. (K. Dearolf, Public Museum and Art Gallery, Reading, Pa.)

1–5. Gas Turbine Power Conf., Cincinnati, Ohio. (O. B. Schier, ASME, 29 W. 39 St., New York, N.Y.)

7. American Chemical Soc., Oklahoma Div., tetrasectional meeting, Tulsa. (J. W. Conant, ACS, Grand River Chemical Div. of Deere and Co., Pryor, Okla.)

8–9. American Broncho-Esophagological Assoc., Hot Springs, Va. (F. J. Putney, 1712 Locust St., Philadelphia, Pa.)

8–9. American Laryngological Assoc., Hot Springs, Va. (J. H. Maxwell, University Hospital, Ann Arbor, Mich.)

8–12. Aviation Conf., Los Angeles, Calif. (O. B. Schier, ASME, 29 W. 39 St., New York, N.Y.)

10–12. American Laryngological, Rhinological and Otological Soc., Hot Springs, Va. (C. S. Nash, 708 Medical Arts Bldg., Rochester 7, N.Y.)

13–14. American Otological Soc., Hot Springs, Va. (L. R. Boies, University Hospital, Minneapolis 14, Minn.)

13–15. Alabama Acad. of Sciences, Auburn. (H. M. Kaylor, Dept. of Physics, Birmingham-Southern College, Birmingham, Ala.)

14–15. Southwestern Soc. of Nuclear Medicine, 4th annual, New Orleans, La. (S. B. Nadler, SSNM, 1520 Louisiana Ave., New Orleans 15, La.)

15–20. American College of Allergists, San Francisco, Calif. (M. C. Harris, 450 Sutter St., San Francisco.)

16–19. American Assoc. of Petroleum Geologists, Soc. of Economic Paleontologists and Mineralogists, 44th annual, Dallas, Tex. (W. A. Waldschmidt, AAPG, 311 Leggett Building, Midland, Tex.)

16–20. American Inst. of Chemical Engineers, Atlantic City, N.J. (F. J. Van Antwerpen, AICE, 25 W. 45 St., New York 36.)

16–20. National Assoc. of Corrosion Engineers, 15th annual conf., Chicago, Ill. (NACE, Southern Standard Bldg., Houston, Tex.)

16–20. Western Metal Exposition and Cong., 11th, Los Angeles, Calif. (R. T. Bayless, 7301 Euclid Ave., Cleveland 3, Ohio)

17–19. National Health Council, Chi-

cago, Ill. (P. E. Ryan, 1790 Broadway, New York, 19.)

18–25. International Social Science Council, 4th general assembly (by invitation), Paris, France. (C. Levi-Strauss, Secretary-General, International Social Science Council, 19, avenue Kleber, Paris.)

19–21. Society for Research in Child Development, NIH, Bethesda, Md. (Miss N. Bayley, Laboratory of Psychology, National Inst. of Mental Health, Bethesda 14, Md.)

23–26. Institute of Radio Engineers, natl. conv., New York, N.Y. (G. L. Haller, IRE, 1 E. 79 St., New York 21.)

24–27. American Meteorological Soc., general, Chicago, Ill. (K. C. Spengler, AMS, 3 Joy Street, Boston, Mass.)

27–28. Michigan Acad. of Sciences, East Lansing. (D. A. Rings, Univ. of Michigan, Dept. of Engineering, Ann Arbor.)

28. South Carolina Acad. of Sciences, Columbia. (H. W. Freeman, Dept. of Biology, Winthrop College, Rock Hill, S.C.)

29–3. Latin American Congress of Chemistry, 7th, Mexico D.F., Mexico. (R. I. Frisbie, Calle Ciprès No. 176, Zone 4, Mexico, D.F.)

30–1. American Orthopsychiatric Assoc., San Francisco, Calif. (M. F. Langer, 1790 Broadway, New York 19.)

30–12. Bahamas Medical Conf., 7th, Nassau. (B. L. Frank, 1290 Pine Ave., W. Montreal, Canada.)

31–2. American Power Conf., 21st annual, Chicago, Ill. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

31–2. Symposium on Millimeter Waves, 9th, New York, N.Y. (H. J. Carlin, Microwave Research Inst., 55 Johnson St., Brooklyn 1, N.Y.)

31–5. International Committee of Military Medicine and Pharmacy, 21st session. Paris, France. (Comité International de Médecine et de Pharmacie Militaires, Hôpital Militaire, 79, rue Saint Laurent, Liège, Belgium.)

April

1–3. American Assoc. of Anatomists, Seattle, Wash. (B. Flexner, Univ. of Pennsylvania Medical School, Philadelphia 4, Pa.)

1–4. National Council of Teachers of Mathematics, Dallas, Tex. (H. T. Karnes, Dept. of Mathematics, Louisiana State Univ., Baton Rogue 3.)

1–4. National Science Teachers Assoc., 7th natl. conv., Atlantic City, N.J. (R. H. Carlton, NSTA, 1201 16 St., NW, Washington 6.)

1–4. Neurosurgical Soc. of America, Hot Springs, Va. (F. P. Smith, 260 Crittenden Blvd., Rochester, 20, N.Y.)

1–29. World Meteorological Organization, 3rd session of congress, Geneva, Switzerland. (WMO, Campagne Rigot, 1, avenue de la Paix, Geneva.)

2–3. Electrically Exploded Wires, conf., Boston, Mass. (W. G. Chace, Thermal Radiation Laboratory, CRZCM, Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Mass.)

2–4. Association of American Geographers, 55th annual, Pittsburgh, Pa. (J. E. Guernsey, 9707 Parkwood Dr., Bethesda, Md.)

2–4. Association for Computing Machinery, Cleveland, Ohio. (J. Moshman, Corporation for Economic and Industrial Research, 1200 Jefferson Davis Highway, Arlington 2, Va.)

2–4. Optical Soc. of America, New York, N.Y. (S. S. Ballard, Dept. of Physics, Univ. of Florida, Gainesville.)

3–4. Eastern Psychological Assoc., Atlantic City, N.J. (C. H. Rush, Standard Oil Co. of New Jersey, Rockefeller Plaza, New York, N.Y.)

3–5. American Soc. for the Study of Sterility, Atlantic City, N.J. (H. H. Thomas, 920 S. 19 St., Birmingham 5, Ala.)

3–5. Cooper Ornithological Soc., Berkeley, Calif. (J. Davis, Univ. of California, Hastings Reservation, Jamesburg Route, Carmel Valley.)

5–9. American College of Obstetricians and Gynecologists, Atlantic City, N.J. (J. C. Ullery, 15 S. Clark St., Chicago 3, Ill.)

5–10. American Chemical Soc., 135th, Boston, Mass. (M. A. H. Emery, 18th and K St., NW, Washington, D.C.)

5–10. Nuclear Congress, Cleveland, Ohio. (S. Baron, Burns & Roe, Inc., 160 West Broadway, New York 13.)

6. Paleontological Research Institution,

Ithaca, N.Y. (R. Harris, 109 Dearborn Rd., Ithaca.)

6–7. Chemical and Petroleum Instrumentation, 2nd natl. symp., St. Louis, Mo. (H. S. Kindler, Director of Technical and Educational Services, ISA, 313 Sixth Ave., Pittsburgh 22, Pa.)

6–8. American Radium Soc., Hot Springs, Va. (R. L. Brown, Robert Winship Clinic, Emory Univ., Atlanta 22, Ga.)

6–8. Astronautics, AFOSR 3rd annual symp., Washington, D.C. (Headquarters, Air Force Office of Scientific Research, Washington 25.)

6–8. National Open Hearth Steel Furnace, Coke Oven and Raw Materials Conf., St. Louis, Mo. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18.)

6–9. American Acad. of General Practice, San Francisco, Calif. (M. F. Cahal, Volker Blvd. at Brookside, Kansas City 12, Mo.)

6–11. Coordination Chemistry, intern. conf., London, England. (Chemical Soc., Burlington House, London, W.1.)

12–13. American Soc. for Artificial Internal Organs, Atlantic City, N.J. (C. K. Kirby, ASAIO, 110 Maloney Bldg., University Hospital, 3600 Spruce St., Philadelphia 4, Pa.)

12–16. American Physiological Soc., Atlantic City, N.J. (R. C. Daggs, 9650 Wisconsin Ave., Washington, D.C.)

12–16. Fracture, intern. conf., Cambridge and Dedham, Mass. (Headquarters, Air Force Office of Scientific Research, Washington 25.)

13. Biochemical Cytology of Liver (Histochemical Soc.), symp., Atlantic City, N.J. (A. B. Novikoff, Dept. of Pathology, Albert Einstein College of Medicine, Yeshiva Univ., Eastchester Rd. and Morris Ave., New York 61.)

13–15. Hydraulics Conf. (American Soc. of Mechanical Engineers), Ann Arbor, Mich. (O. B. Schier, ASME, 29 W. 39 St., New York 18.)

13–17. American Assoc. of Immunologists, Atlantic City, N.J. (C. Howe, 630 W. 168 St., New York 32.)

13–17. American Inst. of Nutrition, Atlantic City, N.J. (G. M. Briggs, NIAMD, Room 9D20, Bldg. 10, National Institutes of Health, Bethesda, Md.)

13–17. American Soc. for Pharmacology and Experimental Therapeutics, Atlantic City, N.J. (H. Hodge, Univ. of Rochester, Rochester 20, N.Y.)

13–18. American Acad. of Neurology, Los Angeles, Calif. (J. M. Foley, Boston City Hospital, Boston, Mass.)

13–18. American Soc. of Biological Chemists, Atlantic City, N.J. (F. W. Putnam, Univ. of Florida Medical School, Gainesville.)

13–18. American Soc. for Experimental Pathology, Atlantic City, N.J. (J. F. A. McManus, Univ. of Alabama Medical Center, Birmingham 3.)

14–15. Electrical Heating Conf. (American Institute of Electrical Engineers), Philadelphia, Pa. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

14–16. Life Span of Animals, 5th colloquium on aging, London, England. (Ciba Foundation, 41 Portland Pl., London, W.1.)

14–16. Rheology of the Glassy State (British Soc. of Rheology), Sheffield, England. (D. W. Saunders, British Rayon Research Assoc., Heald Green Laboratories, Wythenshawe, Manchester 22, England.)

15–17. American Assoc. of Genito-Urinary Surgeons, Absecon, N.J. (W. J. Engel, 2020 E. 93 St., Cleveland 6, Ohio.)

15–17. American Surgical Assoc., San Francisco, Calif. (W. A. Altemeier, Cincinnati General Hospital, Cincinnati 29, Ohio.)

16–18. American Assoc. of Railway Surgeons, Chicago, Ill. (C. C. Guy, 5800 Stony Island Ave., Chicago 37.)

16–18. Association of South Eastern Biologists, Knoxville, Tenn. (H. J. Humm, Dept. of Botany, Duke Univ., Durham, N.C.)

16–18. Ohio Acad. of Sciences, Columbus. (G. W. Burns, Ohio Wesleyan Univ., Delaware.)

16–30. Engineering, Marine, Welding and Nuclear Energy Exhibition, 22nd, Olympia, London. (F. W. Bridges & Sons, Ltd., Grand Buildings, Trafalgar Square, London. W.C.2, England.)

17. Current Developments in the Production of High Vacua, symp., London, England. (Institute of Physics, 47 Belgrave Square, London, S.W.1.)

17–18. Nebraska Acad. of Sciences, 69th annual, Lincoln. (M. Beckman, Teachers College, Univ. of Nebraska, Lincoln.)

18–22. American Soc. of Tool Engi-

neers, 27th annual, Milwaukee, Wis. (ASTE, 10700 Puritan, Detroit 38, Mich.)

19–23. Oil and Gas Power Conf. (American Soc. of Mechanical Engineers), Houston, Tex. (O. B. Schier, ASME, 29 W. 39 St., New York 18.)

19–24. American Pharmaceutical Assoc., annual conv., Cincinnati, Ohio. (R. P. Fischelis, APA, 2215 Constitution Ave., Washington 7.)

20–21. Recording and Controlling Instruments Conf. (American Inst. of Electrical Engineers), Philadelphia, Pa. (N. S. Hibshman, AIEE, 33 West 39 St., New York 18.)

20–22. American Oil Chemists' Soc., spring, 50th anniversary, New Orleans, La. (Mrs. L. R. Hawkins, 35 E. Wacker Dr., Chicago 1, Ill.)

20–23. American Urological Assoc., Atlantic City, N.J. (S. L. Raines, 188 S. Bellevue Blvd., Memphis, Tenn.)

20–23. International Anesthesia Research Soc., 33rd cong., Miami Beach, Fla. (A. W. Friend, IARS, E. 107 and Park Lane, Cleveland 6, Ohio.)

20–24. American College of Physicians, Chicago, Ill. (E. R. Loveland, 4200 Pine St. Philadelphia 4, Pa.)

21–23. American Assoc. for Thoracic Surgery, Los Angeles, Calif. (H. T. Langston, 7730 Carondelet Ave., St. Louis 5, Mo.)

Equipment

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Science *does not assume responsibility for the accuracy of the information. A coupon for use in making inquiries concerning the items listed appears on page 166.*

■ PHOTOELECTRIC POLARIMETER combines a colorimeter with an adapter unit to permit determination of optical rotation of solutions irrespective of the sign and magnitude of the specific rotation. Moderately turbid and colored solutions can be measured. Precision is approximately 0.05 deg at small angles and 0.1 deg at 20 deg. Since measurements can be made at any wavelength within the visible spectrum, determination of rotatory dispersion is possible. The adapter may be used with existing colorimeters. (Photovolt Corp., Dept. 573)

■ MASS FLOWMETER consists of two matched metering components, a variable-force element and a volumetric element. The variable-force element produces a voltage proportional to the product of the square of volume flow and fluid density. The volumetric element produces a frequency proportional to volume flow. The latter is divided electronically into the former to yield mass flow. Accuracy is ± 1 percent of the measured flow. Ranges up to 10^6 lb/hr can be furnished. (Fischer & Porter Co., Dept. 584)

■ TAPE PUNCH will accommodate paper tape of either the oiled or unoiled variety up to 1 in. wide. Up to eight columns may be punched at operating rates up to 27 punches per second. The unit is designed for console or rack mounting and measures 6 by 11 by 3¾ in. (Precision Specialties, Inc., Dept. 585)

■ DRYING OVEN for paper chromatographs accommodates three sheets 18¼ by 22½ in. A reinforced safety-glass door affords continual viewing of the contents. The oven heats up to a present temperature, up to 110°C, within 20 min. Evacuation of air and solvent vapor is accomplished by connection to a water aspirator. Intake air is heated to the desired temperature. Baffles conceal heating elements and prevent contact of solvent drippings with elements. (New Brunswick Scientific Co., Dept. 587)

■ ELECTRICAL-INSULATION TAPE is completely inorganic. The tape consists of 0.004-in. glass cloth saturated and coated on one side with silicone rubber and on the other with silicone thermosetting pressure-sensitive adhesive. Useful temperature range is − 50° to + 180°C. Thermosetting is acomplished at 500°F. (Minnesota Mining and Manufacturing Co., Dept. 589)