
Public Health Reports

Issued Weekly by the
PUBLIC HEALTH SERVICE

Volume 65—Part II

Nos. 27–52

July–December 1950



FEDERAL SECURITY AGENCY

PUBLIC HEALTH SERVICE

FEDERAL SECURITY AGENCY

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The printing of this publication has been approved by the Director of the Bureau of the Budget (August 10, 1949).

The PUBLIC HEALTH REPORTS, first published in 1878 under authority of an act of Congress of April 29 of that year, is issued weekly by the Public Health Service through the Division of Public Health Methods, pursuant to the following authority of law: United States Code, title 42, sections 241, 245, 247; title 44, section 220.

It contains (1) current information regarding the incidence and geographic distribution of communicable disease in the United States, insofar as data are obtainable, and of cholera, plague, smallpox, typhus fever, yellow fever, and other important communicable diseases throughout the world; (2) articles relating to the cause, prevention, and control of disease; (3) other pertinent information regarding sanitation and the conservation of the public health.

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UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1952

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. Index, 15 cents. Subscription price, \$4.25 a year, 75 cents additional for
foreign mailing; single copies vary in price.

Public Health Reports Subject Index

Key to Dates and Pages

| No. | Date of issue | Pages | No. | Date of issue | Pages |
|-----|---------------|-----------|-----|---------------|-----------|
| 27 | July 7 | 851-874 | 40 | Oct. 6 | 1275-1314 |
| 28 | July 14 | 875-901 | 41 | Oct. 13 | 1315-1350 |
| 29 | July 21 | 903-930 | 42 | Oct. 20 | 1351-1382 |
| 30 | July 28 | 931-962 | 43 | Oct. 27 | 1383-1418 |
| 31 | Aug. 4 | 963-1002 | 44 | Nov. 3 | 1419-1460 |
| 32 | Aug. 11 | 1003-1038 | 45 | Nov. 10 | 1461-1492 |
| 33 | Aug. 18 | 1039-1074 | 46 | Nov. 17 | 1493-1536 |
| 34 | Aug. 25 | 1075-1110 | 47 | Nov. 24 | 1537-1572 |
| 35 | Sept. 1 | 1111-1146 | 48 | Dec. 1 | 1573-1608 |
| 36 | Sept. 8 | 1147-1174 | 49 | Dec. 8 | 1609-1656 |
| 37 | Sept. 15 | 1175-1201 | 50 | Dec. 15 | 1657-1708 |
| 38 | Sept. 22 | 1203-1233 | 51 | Dec. 22 | 1709-1735 |
| 39 | Sept. 29 | 1235-1274 | 52 | Dec. 29 | 1737-1764 |

A

| | |
|--|------|
| Absenteeism : | Page |
| Causes of, in New Haven schools. Follow-up after 21 years [Linde, Gelperin, and Granoff]----- | 1737 |
| Industrial sickness----- | 1556 |
| Accidents, home----- | 1641 |
| ACTH: <i>See</i> Cortisone and | |
| Addicts, morphine: <i>See</i> Dental caries and | |
| Administration in public health----- | 1621 |
| Age distribution of diphtheria in the United States, trends in [Dauer]---- | 1209 |
| Agents, surface-active: Bactericidal effect on tubercle bacilli----- | 1588 |
| Agglutination test for brucellosis, certain factors affecting----- | 883 |
| Aging and public health----- | 1661 |
| Aging conference, national [Tibbitts]----- | 1369 |
| Air pollution----- | 1639 |
| Alkalescens-Dispar group [Ewing, Taylor, and Hucks]----- | 1474 |
| Allergy, nonspecific, in sensitivity to tuberculin----- | 1111 |
| American Public Health Association report, 78th annual meeting: <i>See</i> Public Health: 1950. | |
| Anthrone blood sugar method----- | 1709 |
| Antigen group, new coli-O----- | 1341 |
| Antitoxin: Influence of type and concentration, on the <i>in vitro</i> toxigenicity test for <i>C. diphtheriae</i> ----- | 875 |
| Arthritis as a public health problem [Scheele]----- | 1351 |

| | Page |
|--|------|
| Atomic energy----- | 1618 |
| <i>Australorbis glabratus</i> , field tests against, in Puerto Rico----- | 939 |
| Award, Arthur Thomas McCormick, recipients----- | 1524 |

B

| | |
|--|------------|
| Bactericides: Quaternary ammonium compounds----- | 1039 |
| BCG vaccine licensure. Editorial [Anderson]----- | 963 |
| Beds, tuberculosis, index of----- | 1138 |
| Biological warfare----- | 1515, 1616 |
| Blood typing, mass----- | 1496 |
| <i>Brucella</i> , use of the chick embryo for isolation of [Gay and Damon]----- | 1187 |
| Brucellosis: A study of certain factors affecting the agglutination test [Schubert and Herndon]----- | 883 |
| Burn shock treatment, saline solution for----- | 1317 |
| Business management in public health----- | 1624 |

O

| | |
|--|--|
| Calcification, pulmonary: Geographic distribution among university students in Ohio [Prior, Wilce, and Palchanis]----- | 1132 |
| Cancer----- | 1664 |
| Cancer control: | |
| Morbidity reporting and case registers----- | 1084 |
| Why a public health problem? [Kaiser]----- | 1203 |
| Cancer program in medical schools. A review [Kaiser]----- | 1397 |
| Caries, dental, and morphine addicts----- | 1336 |
| Case finding: Diabetes----- | 1709 |
| Case registers in cancer control----- | 1084 |
| Casualties, mass----- | 1517 |
| <i>C. diphtheriae</i> , influence of type and concentration of antitoxin on the <i>in vitro</i> toxigenicity test for [Freeman]----- | 875 |
| Chest X-ray survey, community-wide: | |
| I. Introduction [Division of Tuberculosis]----- | 1277 |
| II. Nursing [Bryant and Jones]----- | 1573 |
| Child health services: | |
| In twelve metropolitan districts [Pennell, Bain, and Hubbard]----- | 903 |
| Specialized----- | 1525 |
| Chile quarantine measures----- | 1707 |
| Cholera: | |
| Vaccination certificate, internationally required: | |
| Egypt----- | 1707 |
| Iraq----- | 1707 |
| Somaliland (Italian)----- | 1707 |
| Weekly reports: | |
| Burma----- | 900, 1000, 1037, 1072, 1145, 1173, 1199, 1231, 1312, 1380, 1534, 1705, 1733 |
| Cambodia----- | 1607, 1705 |
| India----- | 874, 900, 929 1000, 1037, 1072, 1145, 1380, 1459, 1491, 1655, 1705 |
| India (French)----- | 1173, 1199, 1231, 1312, 1349, 1381, 1535, 1655, 1733 |
| India (Portuguese)----- | 1312 |
| Indochina----- | 929, 1072, 1145, 1173, 1349, 1459 |
| Pakistan----- | 874, 900, 929, 1000, 1173 |
| World distribution: Asia----- | 958, 1106, 1269, 1413, 1567, 1759 |

| | Page |
|---|------------------------------|
| <i>Chrysops discalis</i> Williston, the biting fly----- | 1321 |
| City program [in chronic disease]----- | 1668 |
| Coli O-antigen group, new [Ewing and Kauffman]----- | 1341 |
| Commissioned Corps examinations----- | 1100, 1382, 1492, 1656, 1708 |
| Communicable Disease Center training course in rat-borne disease----- | 1233 |
| Communicable diseases: <i>See</i> Diseases, communicable: United States | |
| Conference: | |
| Aging----- | 1369 |
| Child health----- | 1671 |
| State and Territorial Health Authorities----- | 1313, 1493 |
| White House----- | 1526 |
| Convention, military surgeons----- | 1314 |
| Cooperatives, rural health----- | 1383 |
| Copper sulfate molluscicidal action----- | 1481 |
| Cortisone and ACTH, synthetic----- | 1522 |
| Councils, health----- | 1633 |

D

| | |
|--|---|
| Deaths: | |
| Japan----- | 957, 1172, 1379 |
| Madagascar----- | 899, 1000, 1144, 1349 |
| New Zealand----- | 956, 1380 |
| United States: Weekly mortality index----- | 870, 895, 926, 953, 996, 1032, 1069, 1102, 1140, 1168, 1196, 1228, 1266, 1307, 1345, 1376, 1410, 1454, 1487, 1530, 1563, 1602, 1651, 1702, 1730, 1735 |
| Deerfly fever and the biting fly, geographical distribution of----- | 1321 |
| Deferment of essential registrants----- | 1507 |
| Dental caries: | |
| In morphine addicts—as determined by clinical and radiographic examination [Law and Ruble]----- | 1336 |
| Mass control through fluoridation of the public water supply [Dean, Arnold, Jay, and Knutson]----- | 1403 |
| Diabetes: | |
| Case finding, anthrone blood sugar method adapted to, in a multiple screening program [Fetz and Petrie]----- | 1709 |
| Detection in a nutrition survey: A study of 550 persons in Ottawa County, Mich. [Tabor and Frankhauser]----- | 1330 |
| Diphtheria: | |
| Trends in age distribution in the United States----- | 1209 |
| <i>See also</i> Diseases, communicable: United States | |
| Disease, training course in rat-borne----- | 1233 |
| Disease charts, communicable: United States: | |
| Diphtheria----- | 1310 |
| Measles----- | 898 |
| Meningitis, meningococcal----- | 1035 |
| Poliomyelitis----- | 1035, 1171, 1310, 1457, 1605 |
| Scarlet fever----- | 1605 |
| Typhoid and paratyphoid fever----- | 1171, 1457 |
| Whooping cough----- | 898 |
| Disease control, wartime----- | 1615 |
| Disease incidence: United States----- | 869, 894, 925, 952, 995, 1031, 1068, 1101, 1139, 1167, 1195, 1227, 1265, 1306, 1344, 1375, 1409, 1453, 1486, 1529, 1562, 1601, 1650, 1701, 1729, 1754 |

| | Page |
|--|---|
| Diseases, communicable: United States: | |
| Quarterly reported cases by region and State..... | 1158, 1745 |
| Weekly reported cases by region and State..... | 871, 896, |
| 927, 954, 997, 1033, 1070, 1103, 1141, 1169, 1197, 1229, 1267, 1308, | |
| 1346, 1377, 1411, 1455, 1488, 1531, 1564, 1603, 1653, 1703, 1731, 1756 | |
| Diseases, reported cases: | |
| Canada..... | 873, |
| 899, 929, 956, 1036, 1105, 1143, 1172, 1199, 1231, 1269, 1311, 1348, | |
| 1379, 1413, 1458, 1490, 1533, 1566, 1606, 1654, 1705, 1733, 1758 | |
| Cuba..... | 999, 1036, 1311, 1348, 1606 |
| Cyprus..... | 1413 |
| Finland..... | 873, 999, 1231, 1269, 1458, 1654, 1758 |
| Jamaica..... | 956, 1349, 1380, 1458, 1607 |
| Japan..... | 957, 1172, 1379 |
| Madagascar..... | 899, 1000, 1144, 1349, 1534, 1566 |
| New Zealand..... | 956, 1380, 1654 |
| Norway..... | 873, 1087, 1105, 1311, 1490, 1534, 1758 |
| United States..... | 871, 896, |
| 927, 954, 997, 1033, 1070, 1103, 1141, 1169, 1197, 1229, 1267, 1308, | |
| 1346, 1377, 1411, 1455, 1488, 1531, 1564, 1603, 1652, 1703, 1731, 1756 | |
| Doctor draft..... | 1505 |
| Dollar, getting more for the [health]..... | 1511 |
| Dust from mine locomotive traction material, physiological response to [Fairhall, Highman, and Perone]..... | 1003 |

E

| | |
|--|------------------------------|
| Eastern Health District, Baltimore—causes of illness..... | 1235 |
| Education, health..... | 1630 |
| Egypt quarantine measures..... | 1706 |
| Embryo, chick, for isolation of <i>Brucella</i> | 1187 |
| Encephalitis..... | 1690 |
| Encephalitis, infectious: <i>See</i> Diseases, communicable: United States | |
| Endocrines, course in diseases of..... | 1030 |
| Enterobacteriaceae, certain, placed in the tribe Eschericheae..... | 1474 |
| Environmental control..... | 1614 |
| Environmental health, new concept..... | 1634 |
| Errata: | |
| Effect of formaldehyde on the direct microscopic count of raw milk by B. S. Levine..... | 1146 |
| Geographic distribution of pulmonary calcification among university students in Ohio..... | 1305 |
| Eschericheae, certain Enterobacteriaceae placed in the tribe..... | 1474 |
| Examinations, Commissioned Corps, Regular..... | 1100, 1382, 1492, 1656, 1708 |

F

| | |
|--|------|
| Fluoridation of the public water supply for mass control of dental caries.... | 1403 |
| Fluoridation, water..... | 1677 |
| Fluorine in sodium fluoride vs. sodium fluosilicate, availability of [Mc- Clure]..... | 1175 |
| Food: | |
| Acceptance..... | 1687 |
| And nutrition..... | 1673 |
| Poisoning..... | 1688 |

| | |
|---|------|
| Foods, frozen----- | 1645 |
| Foreign reports: <i>See</i> Diseases, reported cases: Country. | |
| Formaldehyde, effect of, on the direct microscopic count of milk [Levine]-- | 931 |

G

| | |
|--|------|
| Gangrene, gas----- | 1687 |
| Geographic differences in sensitivity to tuberculin----- | 1111 |
| Geographic distribution: | |
| Deerfly fever----- | 1321 |
| Pulmonary calcification----- | 1132 |
| Group practice----- | 1696 |

H

| | |
|---|------|
| Handbook for photofluorographic operators: Announcement of publication of----- | 1452 |
| Haplomycosis in Montana rabbits, rodents, and carnivores [Jellison]----- | 1057 |
| Hard-of-hearing children----- | 1527 |
| Health, international----- | 1611 |
| Health: Prime aid to defense----- | 1495 |
| Health authorities conference, State and Territorial----- | 1313 |
| Health cooperatives, rural [Johnston]----- | 1383 |
| Health resources in defense of the Nation: A selective report of the 1950 Conference of the State and Territorial Health Officers Association----- | 1493 |
| Arthur Thomas McCormick Award recipients----- | 1524 |
| Civil defense and health----- | 1495 |
| Current problems----- | 1509 |
| Health and the child----- | 1525 |
| Personnel adjustment, health----- | 1505 |
| Scientific developments----- | 1515 |
| Health tools for children----- | 1525 |
| Health training, radiological----- | 1735 |
| Heart disease----- | 1666 |
| Heart measuring device, new----- | 1519 |
| Histoplasmosis. Mycology and bacteriology [Furculow]----- | 965 |
| Hospital beds, United States, 1950 [Cronin, Reed, and Baney]----- | 1461 |
| Hospitals and sanatoria with tuberculosis beds, index----- | 1138 |
| Human relationships in tuberculosis [Hart]----- | 1292 |
| Housing, joint, of health department and hospital----- | 1697 |
| Housing hygiene----- | 1637 |

I

| | |
|--|------------|
| Illness causes in monthly canvasses of families, Eastern Health District, Baltimore, 1938-43 [Collins, Phillips, and Oliver]----- | 1235 |
| Illness survey----- | 1235 |
| Induction of health workers----- | 1507 |
| Industrial hygiene statistics----- | 1643 |
| Industrial sickness absenteeism. Males and females, 1949, and males, first and second quarters, 1950 [Gafafer]----- | 1556 |
| Infection, laboratory----- | 1002, 1679 |
| Influenza: | |
| Japan----- | 899 |
| Vaccination----- | 1684 |
| <i>See also</i> Diseases, communicable: United States | |

| | Page |
|---|-------------|
| Insurance, health..... | 1692 |
| Interpersonal relations in health..... | 1631 |
| Iraq quarantine measures..... | 1707 |
| J | |
| Joint housing of health department and hospital..... | 1697 |
| L | |
| Laboratories: Role in civil defense..... | 1502 |
| Laboratory infections..... | 1002, 1679 |
| Leprosy, relapse following apparent arrest of, by sulfone therapy [Erickson]..... | 1147 |
| Licensure of BCG vaccine..... | 963 |
| Local nerve centers and civil defense..... | 1495 |
| Local responsibility and world health..... | 1617 |
| M | |
| Malaria..... | 1689 |
| Manpower..... | 1509 |
| Maps, geommedical..... | 1680 |
| Mass casualties..... | 1517 |
| Mass control of dental caries..... | 1403 |
| Measles: <i>See</i> Diseases, communicable: United States | |
| Measuring quality [for medical care]..... | 1691 |
| Medical facilities..... | 1699 |
| Medical judgment..... | 1622 |
| Medicine: | |
| Preventive..... | 1620 |
| Veterinary..... | 1648 |
| Meningitis, meningococcal: | |
| Anglo-Egyptian Sudan..... | 999 |
| Egypt..... | 999 |
| <i>See also</i> Diseases, communicable: United States | |
| Mental health survey..... | 1520 |
| Michael Reese Hospital Postgraduate School offers course in diseases of the endocrines..... | 1030 |
| Michigan University: | |
| Seminar on plumbing problems..... | 1030 |
| Training course in radiological health..... | 1735 |
| Midcentury conference on children and youth..... | 1526 |
| Milk, raw, effect of formaldehyde on the microscopic count..... | 931 |
| Milk sanitation ratings, July 1948-June 1950..... | 1064 |
| Mine locomotive traction material..... | 1003 |
| Molluscacidal action of copper sulfate in high concentration, laboratory tests [Nolan]..... | 1481 |
| Molluscacides, field tests of, against <i>Australorbis glabratus</i> in endemic areas of Schistosomiasis in Puerto Rico [Berry, Nolan, and Gonzales].. | 939 |
| Morbidity analysis..... | 1665 |
| Morbidity reporting and case registers in cancer control [Cutler]..... | 1084 |
| Multiple screening: | |
| And specialized programs [Mountin]..... | 1359 |
| Chronic disease..... | 1658 |
| Diabetes case finding in..... | 1709 |

| | Page |
|--|------|
| Mycobacterium, recovery of, from sewage..... | 851 |
| Mycology and bacteriology of histoplasmosis..... | 965 |

N

| | |
|--|------|
| National Institutes of Health director named..... | 1629 |
| New Haven schools, absenteeism follow-up in..... | 1737 |
| New York defense plan..... | 1499 |
| New Zealand: Child health..... | 860 |
| Nurse in research..... | 860 |
| Nurses, student, pulmonary findings and antigen sensitivity among..... | 1111 |
| Nursing research..... | 1627 |
| Nursing service in X-ray survey..... | 1573 |
| Nutrition: | |
| Industrial..... | 1644 |
| Survey, Ottawa County, Mich., diabetes detection..... | 1330 |
| Toward better training and services in medical [King]..... | 1719 |

O

| | |
|---|------|
| Ohio university students, geographic distribution of pulmonary calcification among..... | 1132 |
|---|------|

P

| | |
|--|-----------------------------------|
| Penicillin dosage..... | 1518 |
| Personnel: | |
| Protection for photofluorographic..... | 865 |
| Selection..... | 1623 |
| Photofluorography: | |
| Operators handbook: Announcement of publication..... | 1452 |
| Protection for personnel..... | 865 |
| Plague: Weekly reports: | |
| Belgian Congo..... | 874, |
| 1000, 1037, 1072, 1145, 1173, 1312, 1381, 1491, 1535 | |
| Brazil..... | 1312, 1459, 1491, 1607 |
| Burma..... | 1145, 1199, 1535 |
| China..... | 900, 1000, 1232, 1381, 1535 |
| Ecuador..... | 929, 1037, 1312, 1350 |
| Indochina..... | 1037, 1072, 1173, 1199, 1459 |
| Indonesia..... | 1145, 1607 |
| Madagascar..... | 1535, 1705 |
| Peru..... | 900, 1037, 1232 |
| Union of South Africa..... | 874, 1173, 1381, 1607 |
| Plague: World distribution: | |
| Africa..... | 958, 1106, 1270, 1414, 1567, 1759 |
| Asia..... | 958, 1106, 1270, 1414, 1568, 1759 |
| South America..... | 959, 1107, 1271, 1415, 1568, 1760 |
| Plague, bubonic: | |
| Arizona..... | 1110, 1200 |
| New Mexico..... | 962, 1200 |
| Plague infection: | |
| Hawaii..... | 1001, 1535 |
| Kansas..... | 1274 |
| New Mexico..... | 1174, 1492 |

| | Page |
|--|------------------|
| Plague infection—Continued | |
| Texas..... | 1460, 1492, 1608 |
| Washington..... | 901 |
| Plumbing problems seminar..... | 1030 |
| Pneumonia : <i>See</i> Diseases, communicable : United States | |
| Point IV and doctor draft..... | 1505 |
| Poisoning of rats on ships by sodium fluoroacetate (1080)..... | 1021 |
| Pollomyelitis : | |
| Distribution..... | 1681 |
| Great Britain..... | 1144 |
| <i>See also</i> Diseases, communicable : United States | |
| Premature infants..... | 1675 |
| Problems, statistical..... | 1625 |
| Protozoa : <i>See</i> Salmonellae, Shigellae, and protozoa | |
| Psychiatrists' posts in New York State..... | 1201 |
| Public health : 1950 : A topical and selective report, 78th annual meeting of the American Public Health Association..... | 1609, 1657 |
| Child health..... | 1671 |
| Chronic diseases..... | 1658 |
| Defense and world health..... | 1611 |
| Dyer, R. E., Sedgwick medal awarded to..... | 1628 |
| Environmental health..... | 1634 |
| Epidemiology..... | 1679 |
| Medical care..... | 1691 |
| Public health practice..... | 1620 |
| Sedgwick medal, 1950, awarded to R. E. Dyer..... | 1628 |
| Public health programs : Multiple screenings vs. specialized..... | 1359 |
| Public Health Service milk ordinance communities list..... | 1064 |
| Public Health Service publications : | |
| January—June, 1950..... | 1722 |
| July—December, 1949..... | 1090 |
| Publications, list of Public Health Service..... | 1090, 1722 |
| Pulmonary findings and antigen sensitivity among student nurses, studies of. VI. Geographic differences in sensitivity to tuberculin as evidence of nonspecific allergy [Palmer, Ferebee, and Petersen]..... | 1111 |
| Q | |
| Quarantine measures : | |
| Chile..... | 1707 |
| Egypt..... | 1706 |
| Iraq..... | 1707 |
| Somaliland (Italian)..... | 1707 |
| Quaternary ammonium compounds, bactericidal efficiency [Butterfield, Wattie, and Chambers]..... | 1039 |
| R | |
| Rabbits, rodents, and carnivores, haplomycosis in..... | 1057 |
| Rabies : | |
| Human..... | 1572 |
| In animals : <i>See</i> Diseases, communicable : United States | |
| Radiation, protecting photofluorographic personnel from excessive [Van Allen]..... | 865 |
| Radiation protection..... | 1516 |

| | Page |
|---|------|
| Rats: | |
| Control of, Norway----- | 1537 |
| Poisoning of, on ships----- | 1021 |
| Rehabilitation----- | 1663 |
| Relations, interpersonal, in public health----- | 1631 |
| Resources, water----- | 1640 |
| Rh factor, stability of, in mailed samples [Argall]----- | 890 |
| Rocky Mountain spotted fever: <i>See</i> Diseases, communicable: United States | |
| Rodenticide, warfarin, control of Norway rats with residual [Hayes and Gaines]----- | 1537 |
| Rural health cooperatives----- | 1383 |

S

| | |
|---|------------------|
| Saline solution in treatment of burn shock----- | 1317 |
| <i>Salmonella</i> cultures, visual identification of V and W form colonies [Landy]----- | 950 |
| Salmonellae, Shigellae, and protozoa: Two surveys of methods used by public health laboratories for the examination of stool specimens----- | 1075 |
| Salt-soda for shock----- | 1496 |
| Sanitation: | |
| General----- | 1646 |
| World----- | 1612 |
| Scarlet fever: <i>See</i> Diseases, communicable: United States | |
| Schistosomiasis: Puerto Rico: Field tests of molluscicides----- | 939 |
| School: | |
| Absenteeism in New Haven----- | 1737 |
| Health----- | 1674 |
| Lunches from a health standpoint [Butler]----- | 919 |
| Schools, medical, cancer program----- | 1397 |
| Sedgwick medal awarded to R. E. Dyer----- | 1628 |
| Seminar on plumbing problems, University of Michigan School of Public Health----- | 1030 |
| Sewage, recovery of mycobacterium from----- | 851 |
| Shigellae: <i>See</i> Salmonellae, Shigellae, and protozoa. | |
| Shock, salt-soda for----- | 1496 |
| Shock treatment----- | 1317 |
| Silicosis and mine locomotive traction material----- | 1003 |
| Smallpox: Vaccination certificate required: Chile----- | 1707 |
| Smallpox: Weekly reports: | |
| Angola----- | 1535 |
| Arabia----- | 1232 |
| Argentina----- | 930, 1072 |
| Belgian Congo----- | 900, 1000, 1381 |
| British East Africa----- | 1001, 1232, 1381 |
| Burma----- | 1733 |
| Cameroon (British)----- | 1072, 1350 |
| Cameroon (French)----- | 900, 1535 |
| Chile----- | 900, 1146 |
| China----- | 1232 |
| Dahomey----- | 1459, 1535 |
| French West Africa----- | 930 |
| Gold Coast----- | 1037 |

Smallpox: Weekly reports—Continued

Page

| | |
|---|--|
| Greece..... | 900, 930 |
| India..... | 1001, 1037, 1146, 1655, 1734 |
| India (French)..... | 1173, 1350, 1459, 1491, 1607, 1655, 1734 |
| India (Portuguese)..... | 1001, 1200 |
| Indonesia..... | 874, 900, 930, 1001, 1038, 1072, 1146, 1173, 1200, 1350, 1381, 1459, 1607, 1706 |
| Iran..... | 1655, 1706 |
| Japan..... | 1734 |
| Kenya..... | 1607 |
| Korea, Republic of..... | 874 |
| Mexico..... | 930, 1173 |
| Morocco (French)..... | 1734 |
| Mozambique..... | 1200 |
| Nigeria..... | 930, 1706, 1734 |
| Pakistan..... | 900 |
| Peru..... | 1200, 1312, 1535, 1706 |
| Rhodesia (Southern)..... | 1001, 1146, 1491 |
| Togo (French)..... | 1459, 1706 |
| Union of South Africa..... | 1173 |
| United States: <i>See</i> Diseases, communicable: United States. | |
| Venezuela..... | 1146, 1312 |
| Smallpox: World distribution: | |
| Africa..... | 959, 1107, 1271, 1415, 1569, 1760 |
| Asia..... | 960, 1108, 1272, 1416, 1569, 1761 |
| Europe..... | 960, 1108, 1272, 1416, 1570, 1761 |
| North America..... | 960, 1108, 1272, 1416, 1570, 1761 |
| Oceania..... | 960, 1108, 1272, 1416, 1570, 1762 |
| South America..... | 960, 1108, 1272, 1416, 1570, 1761 |
| Social science..... | 1629 |
| Sodium fluoroacetate (1080) poisoning of rats on ships..... | 1021 |
| Sodium fluoride vs. sodium fluosilicate..... | 1175 |
| Somaliland (Italian) quarantine measures..... | 1707 |
| State and Territorial Health Officers meeting: | |
| Announced..... | 1074, 1313 |
| Reported..... | 1493 |
| State health resources..... | 1497 |
| Stool specimens for <i>Salmonellae</i> , <i>Shigellae</i> , and protozoa, two surveys of methods for the examination of [Felsenfeld]..... | 1075 |
| Streptomycin treatment in pulmonary tuberculosis, a controlled investigation..... | 1421 |
| Sulfone therapy, relapse following apparent arrest of leprosy by..... | 1147 |
| Surgeons, military, convention..... | 1314 |
| Survey: | |
| Illness in Baltimore..... | 1235 |
| Mental health..... | 1520 |
| Pattern (tuberculosis)..... | 1275 |
| X-ray, chest..... | 1277, 1573 |
| Syphilis serology..... | 1687 |

T

| | |
|--|------|
| Technician aides..... | 1513 |
| 1080 (sodium fluoroacetate) poisoning of rats on ships [Hughes]..... | 1021 |
| Terramycin..... | 1683 |

| | Page |
|---|------------------------|
| Therapy, evaluation of tuberculosis..... | 1419 |
| Toxigenicity test for <i>C. diphtheriae</i> | 875 |
| Training course: | |
| Radiological health..... | 1735 |
| Rat-borne diseases..... | 1233 |
| Tubercle bacilli: | |
| Bactericidal effect of surface-active agents on [Smith, Nishihara, Golden, Hoyt, Guss, and Kloetzel]..... | 1588 |
| Survival of, in various treatment processes. I. Development of a method for the quantitative recovery of mycobacteria from sewage [Pramer, Heukelekian, and Ragotzkie]..... | 851 |
| Tuberculin sensitivity: Geographic differences as evidence of nonspecific allergy..... | 1111 |
| Tuberculosis: | |
| Among student nurses..... | 1111 |
| Beds, index of..... | 1138 |
| Case fatality..... | 1685 |
| Chest X-rays and cancer..... | 1685 |
| Human relationships [Hartz]..... | 1292 |
| Streptomycin treatment in pulmonary, a controlled investigation [Long and Ferebee]..... | 1421 |
| Survey pattern. Editorial [Anderson]..... | 1275 |
| Therapy, evaluation of. Editorial [Anderson]..... | 1419 |
| Tuberculosis control: X-ray survey, community-wide chest..... | 1573 |
| Tularemia: | |
| Geographical distribution of "deerfly fever" and the biting fly [Jellison]..... | 1321 |
| In man from a domestic water supply [Jellison, Epler, Kuhns, and Kohls]..... | 1219 |
| <i>See also</i> Diseases, communicable: United States | |
| Tularemia infection: New Mexico..... | 901 |
| Typhoid and paratyphoid fever: <i>See</i> Diseases, communicable: United States | |
| Typhus fever: Weekly report: | |
| Afghanistan..... | 874, 900 |
| Algeria..... | 1174 |
| Belgian Congo..... | 1001 |
| Ceylon..... | 1608 |
| Ecuador..... | 900, 1146, 1174 |
| Egypt..... | 874, 901, 1459 |
| Ethiopia..... | 1491, 1734 |
| Germany (U. S. Zone)..... | 1535 |
| Gold Coast..... | 1655 |
| Guatemala..... | 1174, 1608 |
| India..... | 901, 1608, 1706, 1734 |
| Iran..... | 1655 |
| Iraq..... | 1655 |
| Jamaica..... | 901, 1073, 1146 |
| Japan..... | 901, 930 |
| Korea, Republic of..... | 874, 901 |
| Netherlands New Guinea..... | 1146 |
| Peru..... | 1200, 1312, 1535, 1706 |
| Spain..... | 1038, 1073, 1459, 1491 |
| Turkey..... | 930, 1734 |

| | |
|---|------------------------------------|
| Typhus fever : Weekly report—Continued | Page |
| Union of South Africa..... | 1174 |
| United States: Hawaii..... | 1706 |
| Venezuela..... | 1608 |
| Typhus fever : World distribution : | |
| Africa..... | 960, 1109, 1272, 1417, 1570, 1762 |
| Asia..... | 961, 1109, 1273, 1417, 1570, 1762 |
| Europe..... | 961, 1109, 1273, 1417, 1571, 1762 |
| North America..... | 961, 1109, 1273, 1417, 1571, 1763 |
| Oceania..... | 961, 1110, 1274, 1418, 1571, 1763 |
| South America..... | 961, 1109, 1273, 1418, 1571, 1763 |
| U | |
| Ultraviolet light..... | 1686 |
| United Nations Day—October 24. Editorial [Scheele]..... | 1315 |
| V | |
| V and W form colonies in <i>Salmonella</i> cultures, visual identification..... | 950 |
| Vaccination certificate for smallpox required in Chile..... | 1707 |
| Vector control..... | 1647 |
| Veterinary medicine..... | 1648 |
| W | |
| Warfarin..... | 1537 |
| Wartime disease control..... | 1615 |
| White House Conference..... | 1526 |
| WHO publishes new boundaries for yellow fever danger zones..... | 1029 |
| Whooping cough : <i>See</i> Diseases, communicable : United States. | |
| World sanitation..... | 1612 |
| X | |
| X-ray survey, community-wide chest : | |
| I. Introduction..... | 1277 |
| II. Nursing [Bryant and Jones]..... | 1573 |
| Y | |
| Yellow fever : Weekly reports : | |
| Belgian Congo..... | 1460 |
| Brazil..... | 1038, 1312 |
| Cameroon (French)..... | 1001, 1073 |
| Colombia..... | 1460 |
| Gold Coast..... | 1200, 1232, 1350, 1535, 1608, 1655 |
| Nigeria..... | 1200 |
| Peru..... | 874, 901, 1706 |
| Sierra Leone..... | 930, 1001, 1200, 1232 |
| Venezuela..... | 1535, 1608, 1706 |
| Yellow fever : World distribution : | |
| Africa..... | 962, 1110, 1274, 1418, 1571, 1763 |
| North America..... | 962, 1110, 1274, 1418, 1572, 1763 |
| South America..... | 962, 1110, 1274, 1418, 1572, 1763 |
| Yellow fever danger zones, new boundaries published by WHO..... | 1029 |

Public Health Service

Author Index

Includes Papers by Public Health Service Personnel Printed in Public Health Reports and Other Publications July-December 1950*

A

- Akins, Harvey: A method of infecting *Aedes aegypti* with *Plasmodium gallinaceum* from chick embryos. *J. Nat. Malaria Soc.* 9: 248.
- Algire, Glenn H. (Chalkley and Earle): Vascular reactions of normal and malignant tissues *in vivo*. III. Vascular reactions of mice to fibroblasts treated *in vitro* with methylcholanthrene. *J. Nat. Cancer Inst.* 11: 555.
- *See also* Merwin, Ruth (Algire and Kaplan).
- Allen, Ezra (and Altland): Studies on degenerating sex cells in immature mammals. II. Detailed descriptions of the differentiation of the male germinal epithelium in white rats 14-62 days after birth and of the accompanying types of physiological degeneration (abstract). *Anat. Rec.* 108: 576.
- Allen, Milton J.: The preparation of 4,4-di-hydroxyhydrobenzoin by electrolytic reduction at constant cathode potentials. *J. Am. Chem. Soc.* 72: 3797.
- (Hertz and Tullner): The progestational activity of 1,2-bis-(p-aminophenyl)-2-methyl-propanone-1 dihydro-chloride. *Proc. Soc. Exper. Biol. and Med.* 74: 632.
- Altland, Paul D. (and Allen): Effect of hypoxia on germ cells of immature male white rats (abstract). *Anat. Rec.* 108: 609.
- (and Highman): Failure of DL-methionine supplement to alter the effects of hypoxia in rats. *Anat. Rec.* 108: 608.
- *See also* Allen, Ezra (and Altland); Highman, Benjamin (and Altland).
- Altman, Isidore: *See* Wiprud, Theodore (and Altman).
- Altschul, Sol: *See* Isbell, Harris (Altschul, Kornetsky, Eisenman, Flannary, and Fraser).
- Anderson, Robert J.: Evaluation of therapy. Editorial. *Pub. Health Rep.* 65: 1419.
- Licensure of BCG vaccine. Editorial. *Pub. Health Rep.* 65: 963.
- Survey pattern. Editorial. *Pub. Health Rep.* 65: 1275.
- Andervont, Howard B.: Attempt to detect a mammary tumor-agent in strain C mice by estrogenic stimulation. *J. Nat. Cancer Inst.* 11: 73.
- Induction of hemangio-endotheliomas and sarcomas in mice with O-aminoazotoluene. *J. Nat. Cancer Inst.* 10: 927.
- Response of mammary-tumor-agent free strain DBA female mice to percutaneous application of methylcholanthrene. *J. Nat. Cancer Inst.* 10: 895.

*All items marked with an asterisk were published January-June 1950, but reported too late for inclusion in Index to vol. 65, pt. I.

NOTE.—Address requests for reprints from Public Health Reports, Journal of Venereal Disease Information, and the Journal of the National Cancer Institute to the Surgeon General, Public Health Service, Washington 25, D. C.

- Andervont, Howard B.: Studies on the infectivity of the mouse mammary tumor agent. *J. Nat. Cancer Inst.* 11: 545.
- Studies on the occurrence of spontaneous hepatomas in mice of strains C₂H and CBA. *J. Nat. Cancer Inst.* 11: 581.
- *——— (and Dunn): Attempt to detect a mammary tumor-agent in strain C mice by X-radiation. *J. Nat. Cancer Inst.* 10: 1157.
- Andrews, Howard L. (and Shore): X-ray dose determinations with chloral hydrate. *J. Chem. Phys.* 18: 1165.
- X-ray dose determinations with chloral hydrate (abstract). *Physics Today* 3: 33, Oct.
- *Andrews, Justin M.: Advancing frontiers in insect vector control. *Am. J. Pub. Health* 40: 409.
- Planning a malaria control program for Iran. *CDC Bull.* 9: 1, July.
- (Quinby and Langmuir): Malaria eradication in the United States. *Am. J. Pub. Health* 40: 1405.
- Armstrong, Charles: The seasonal distribution of poliomyelitis. *Am J. Pub. Health* 40: 1296.
- *See also* Huebner, Robert J. (Armstrong, Beeman, and Cole).
- Arnold, Francis A.: *See* Dean, H. Trendley (Arnold, Jay, and Knutson).
- Arnold, R. C. (Wright and Levitan): Reinfection in experimental syphilis in rabbits following penicillin therapy. III. Development of immunity in early syphilis. *Am. J. Syph., Gonorr., and Ven. Dis.* 34: 324.
- (Wright and McLeod): The development and behavior patterns of immunity in experimental syphilis. *J. Ven. Dis. Inform.* 31: 291.
- Reinfection in experimental syphilis in rabbits following penicillin therapy. IV. The development and character of immunity in latent syphilis. *Am. J. Syph., Gonorr., and Ven. Dis.* 34: 327.
- *See also* Wright, R. D. (Nicholson and Arnold).
- Arnstein, Margaret G.: Research in the nursing field. *Am. J. Pub. Health* 40: 988.
- Ashburn, L. L.: *See* Pecora, Louis J. (Ashburn and Hundley).
- Atchley, Floyd O.: A survey of blood parasites in domestic animals in South Carolina (abstract). *J. Parasitol.* 36: 22, Supp.
- Aufranc, W. H.: *See* Huse, Betty (and Aufranc).
- Axelrod, Julius: *See* Weiner, Murray (Shapiro, Axelrod, Cooper, and Brodie).

B

- Baernstein, Harry D.: *See* von Brand, Theodor (Baernstein and Mehlman).
- *Baker, Carl C. (and Meister): Studies on fatty acid oxidation by normal and neoplastic liver. *J. Nat. Cancer Inst.* 10: 1191.
- *See also* Greenstein, Jesse P. (Levintow, Baker, and White).
- Ballard, M. B.: *See* Wilcox, Aimee (Tomlinson and Ballard).
- Baney, Anna Mae: *See* Cronin, John W. (Reed and Baney).
- Barrett, Morris K.: A permanent gastrostomy. *Gastroenterology* 16: 764.
- (and Deringer): An induced adaptation in a transplantable tumor of mice. *J. Nat. Cancer Inst.* 11: 51.
- Bartgis, Ida L.: *See* Rees, Charles W. (Reardon and Bartgis).
- Beck, M. Dorothy: *See* Bell, Joseph A. (Beck and Huebner).
- Becker, Mary M.: *See* Sanford, Katherine K. (Earle, Shelton, Schilling, Duchesne, Likely, and Becker).
- Beeman, Edward A.: *See* Huebner, Robert J. (Armstrong, Beeman, and Cole).
- Bell, E. J.: *See* Parker, R. R. (de Prada, Bell, Lackman, Gay, and Llorente).
- Bell, J. F.: *See* Eklund, Carl M. (Brennan and Bell).

- *Bell, Joseph A. (Beck and Huebner) : Epidemiological studies of Q fever in southern California. *J. Am. Med. Assoc.* 142: 868.
- Bennett, James G. : *See* Stewart, Harold L. (Kaplan and Bennett).
- *Bennison, B. E. (and Mostofi) : Observations on inbred mice exposed to DDT. *J. Nat. Cancer Inst.* 10: 989.
- *See also* Malmgren, R. A. (and Bennison).
- *Berenbom, M. (and White) : Metabolism of intravenously administered N¹⁴-labeled compounds (abstract). *Federation Proc.* 9: 150.
- Berger, E. Y. (Dunning, Steele, Jackenthal, and Brodie) : Estimation of intracellular water in man. *Am. J. Physiol.* 162: 318.
- *See also* Steele, J. Murray (Berger, Dunning, and Brodie).
- Berry, E. G. (Nolan and González) : Field tests of molluscicides against *Austroalorbis glabratus* in endemic areas of schistosomiasis in Puerto Rico. *Pub. Health Rep.* 65: 939.
- *Bierman, Howard R. (Byron, Miller, and Shimkin) : Effects of intraarterial administration of nitrogen mustard. *Am. J. Med.* 8: 535.
- (Cohen, McClelland, and Shimkin) : The effect of transfusions and antibiotics upon the duration of life in children with lymphogenous leukemia. *J. Pediat.* 37: 455.
- *See also* Masouredis, S. P. (Low-Ber, Bierman, Cherney, and Shimkin) ; Morrow, Patrice L. (Bierman and Jenkins) ; Shimkin, M. B. (and Bierman).
- *Bill, A. H. (Peirce and Gross) : Experimental production of an extracardiac shunt around the mitral valve. *Arch. Surg.* 60: 1114.
- Birren, James E. (and Botwinick) : Effects of age and senile psychoses upon speed of writing digits and words (abstract). *J. Gerontol.* 5: 383.
- (Casperson and Botwinick) : Age changes in pupil size. *J. Gerontol.* 5: 216.
- (Fox and Botwinick) : An analysis of age changes in rate of performance of simple intellectual tasks (abstract). *Am. J. Psychol.* 5: 365.
- (Schapiro and Miller) : The effect of salicylate upon pain sensitivity. *J. Pharmacol. and Exper. Therap.* 100: 67.
- *See also* Botwinick, Jack (and Birren) ; Fox, Charlotte (and Birren).
- Block, L. : *See* McGibony, J. R. (and Block).
- Block, Richard J. (and Sober) : Paper chromatography of amino acids. *In* Colloid chemistry ; Theoretical and applied, edited by Jerome A. Alexander, New York, Reinhold Pub. Corp., vol. 7, p. 181.
- Blum, Harold F. : On the mechanism of cancer induction by ultraviolet radiation. *J. Nat. Cancer Inst.* 11: 463.
- Radiation : Non-ionizing ; Photophysiology and photopathology. *In* Medical physics, edited by O. Glasser, Chicago, Year Book Publishers Inc., vol. 2, p. 753.
- Radiation : Photophysiologic and photopathologic processes. *In* Medical physics, edited by O. Glasser, Chicago, Year Book Publishers Inc., vol. 1, p. 1145.
- (Loos and Robinson) : The accelerating action of illumination in recovery of *Arbacia* eggs from exposure to ultraviolet radiation. *J. Gen. Physiol.* 34: 167.
- (and Mathews) : Photorecovery after ultraviolet radiation in amphibian larvae (abstract). *Biol. Bull.* 99: 330.
- (Pope, Price, and Witmer) : Photochemical inactivation of chymotrypsin (abstract). *Biol. Bull.* 99: 317.
- (Robinson and Loos) : The loci of action of ultraviolet and X-radiation, and of photorecovery, in the egg and sperm of *Arbacia* (abstract). *Biol. Bull.* 99: 342.

- Blum, Harold F. (Robinson and Loos) : The loci of action of ultraviolet and X-radiation, and of photorecovery, in the egg and sperm of the sea urchin. *Proc. Nat. Acad. Sc.* 36: 623.
- *See also* Johnson, F. H. (Flagler and Blum).
- Bothe, Albert E. (Dalton, Hastings, and Zillessen) : A study of the Golgi material and mitochondria in malignant and benign prostatic tissue. *J. Nat. Cancer Inst.* 11: 239.
- Botwinick, Jack (and Birren) : The measurement of intellectual deterioration in senile psychosis and psychosis with cerebral arteriosclerosis (abstract). *Am. J. Psychol.* 5: 364.
- *See also* Birren, James E. (and Botwinick) ; Birren, James E. (Casperson and Botwinick).
- Boyle, P. J. : *See* Law, L. W. (and Boyle).
- *Bradley, George H. (and Lyman) : Discussion of five years' use of DDT residuals against *Anopheles quadrimaculatus*. *J. Nat. Malaria Soc.* 9: 113.
- Brady, F. J. : *See* Haskins, W. T. (Luttermoser and Brady).
- Branham, Sara E. (and Carlin) : The antigenicity of *Shigella sonnei*. *J. Immunol.* 65: 407.
- Brecher, George (and Conkite) : Morphology and enumeration of human platelets with phase microscopy. *J. Appl. Physiol.* 3: 365.
- (and Schneiderman) : A time saving device for the counting of reticulocytes. *Am. J. Clin. Path.* 20: 1079.
- *See also* Schneiderman, Marvin (and Brecher) ; Waxler, S. H. (and Brecher).
- Brennan, James M. (and Wharton) : Studies on North American chiggers. III. The subgenus *Neotrombicula*. *Am. Midland Naturalist* 44: 153.
- *See also* Eklund, Carl M. (Brennan and Bell).
- Brodie, Bernard B. (and Udenfriend) : Metabolites of pamaquine in urine. *Proc. Soc. Exper. Biol. and Med.* 74: 845.
- *See also* Berger, E. Y. (Dunning, Steele, Jackenthal, and Brodie) ; Helrich, Martin (Papper, Brodie, Fink, and Roventine) ; Novack, L. (and Brodie) ; Steele, J. Murray (Berger, Dunning, and Brodie) ; Weiner, Murray (Shapiro, Axelrod, Cooper, and Brodie).
- *Brown, John H. (and Kohls) : The ticks of Alberta with special reference to distribution. *Canad. J. Res.* 28: 197.
- *Bryan, W. Ray (Lorenz and Moloney) : Studies on the effects *in vitro* of roentgen radiation on the biological activity of the agent of chicken tumor I (Rous sarcoma). *J. Nat. Cancer Inst.* 10: 1215.
- (Maver, Moloney, Wood, and White) : Comparative stability in the agent of chicken tumor I in citrate and phosphate buffers at 37° C. *J. Nat. Cancer Inst.* 11: 269.
- Bryant, Zella (and Jones) : Community-wide chest X-ray survey. II. Nursing. *Pub. Health Rep.* 65: 1573.
- Buck, John B. : Control of luminescence in *Phengodes* (abstract). *Anat. Rec.* 108: 609.
- (and Keister) : Cuticular and spiracular respiration in *Phormia* larvae (abstract). *Anat. Rec.* 108: 512.
- ——— Experiments on spiracles (abstract). *Biol. Bull.* 99: 315.
- ——— Mechanism of gas transport through spiracles (abstract). *Anat. Rec.* 108: 513.
- ——— Mechanism of gas transport through spiracles (abstract). *Biol. Bull.* 99: 315.
- Bundesen, Herman N. (and Aron) : How to evaluate positive Kahn tests in infants. *J. Ven. Dis. Inform.* 31: 185.

- *Burch, Thomas A. : Observaciones referentes al tratamiento de la oncocercosis con suramina y hetrazen (Observations on the treatment of onchocerciasis). *Rev. salub. y asistencia* 3: 7.
- Burgess, Robert W. (and Young) : The comparative susceptibility of *Anopheles quadrimaculatus* and *Anopheles freeborni* to infection by *Plasmodium vivax* (St. Elizabeth strain). *J. Nat. Malaria Soc.* 9: 218.
- *See also* Hunninen, Arne V. (Young and Burgess).
- Butler, Roy E. : School lunches from a health standpoint. *Pub. Health Rep.* 65: 919.
- Butterfield, C. T. (Wattie and Chambers) : Bactericidal efficiency of quaternary ammonium compounds. *Pub. Health Rep.* 65: 1039.

C

- *Carle, Birdsall N. (and Larson) : Chemotherapy of experimental brucellosis. *In* *Brucellosis. A symposium*, Washington, D. C., American Society for the Advancement of Science, p. 155.
- *See also* Spicknall, Charles G. (Kurland, Carle, and Terry).
- Carlin, Sadie A. : *See* Branham, Sara E. (and Carlin).
- Carroll, Dorothy M. : *See* Morrow, Andrew G. (Greenspan and Carroll).
- Casperson, Roland C. : *See* Birren, James E. (Casperson and Botwinick).
- Chalkley, Harold W. : *See* Algire, Glenn H. (Chalkley and Earle).
- Chamberlain, Roy W. (and Sikes) : Laboratory rearing methods for three common species of bird mites. *J. Parasitol.* 36: 461.
- Chambers, C. W. : *See* Butterfield, C. T. (Wattie and Chambers).
- Cherney, L. S. : *See* Masouredis, S. P. (Low-Ber, Bierman, Cherney, and Shimkin).
- Christenson, C. W. (Ettinger, Robeck, Hermann, Kohr, and Newell) : The removal of plutonium from laboratory wastes (abstract). *In* *Abstracts of papers, 118th meeting, American Chemical Society*, p. 17S.
- Chu, C. H. U. : A histochemical study of staining the axis cylinder with fuchsin-sulfurous acid (Schiff's reagent). *Anat. Rec.* 108: 723.
- Clapp, R. F. : *See* Spangler, C. D. (Clapp and Clark).
- Clark, G. J. : *See* Spangler, C. D. (Clapp and Clark).
- Clarke, Donald A. (Modell, Greiner, Kwit, Gluck, and Gold) : The dosage-response curve for the comparison of mercurial diuretics. *Am. J. Med. Sc.* 220: 156.
- *Coatney, G. Robert (Cooper, Culwell, White, and Imboden) : Studies in human malaria. XXV. Trial of febrifugine, and alkaloid obtained from *Dichroa febrifuga* Lour., against the Chesson strain of *Plasmodium vivax*. *J. Nat. Malaria Soc.* 9: 183.
- (Cooper, Eyles, Culwell, White, and Lints) : Studies in human malaria. XXVII. Observations on the use of pentaquine in the prevention and treatment of Chesson strain vivax malaria. *J. Nat. Malaria Soc.* 9: 222.
- (Cooper and Young) : Studies in human malaria. XXX. A summary of 204 sporozite-induced infections with the Chesson strain of *Plasmodium vivax*. *J. Nat. Malaria Soc.* 9: 381.
- *See also* Cooper, W. Clark (Coatney, Culwell, Eyles, and Young) ; Cooper, W. Clark (Coatney, Jeffery, and Imboden) ; Greenberg, Joseph (Trembley and Coatney) ; Imboden, C. A., Jr. (Cooper, Coatney, and Jeffery) ; Lastra, Ivonne (and Coatney) ; Taylor, D. Jane (Greenberg, Highman, and Coatney).
- Cole, H. N. (Plotke, Thomas, and Jenkins) : Effectiveness of penicillin in preventing congenital syphilis when administered prior to pregnancy. *J. Ven. Dis. Inform.* 31: 201.

- Cole, Roger M.: *See* Huebner, Robert J. (Armstrong, Beeman, and Cole); Michael, Max, Jr. (Cole, Beeson, and Olson).
- Coleman, Nell: *See* Luttermoser, George W. (Haskins, Coleman, and Jumper).
- Collins, Selwyn D. (Phillips and Oliver): Specific causes of illness found in monthly canvasses of families. Sample of the Eastern Health District of Baltimore, 1938-43. *Pub. Health Rep.* **65**: 1235.
- *Cooper, W. Clark (Coatney, Culwell, Eyles, and Young): Studies in human malaria. XXVI. Simultaneous infection with Chesson and the St. Elizabeth strains of *Plasmodium vivax*. *J. Nat. Malaria Soc.* **9**: 187.
- (Coatney, Jeffery, and Imboden): Studies in human malaria. XXVIII. Observations on the use of chlorguanide against the Chesson strain of *Plasmodium vivax*. *J. Nat. Malaria Soc.* **9**: 366.
- *See also* Coatney, G. Robert (Cooper, Culwell, White, and Imboden); Coatney, G. Robert (Cooper, Eyles, Culwell, White, and Lints); Coatney, G. Robert (Cooper and Young); Imboden, C. A., Jr. (Cooper, Coatney, and Jeffery).
- Cornfield, Jerome: *See* Greenhouse, Samuel W. (and Cornfield).
- Corwin, Alstoph H. (and Fu): The mechanism of halogenation of pyrrole derivatives (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 88N.
- Cram, Eloise B.: Progressive blood changes in experimental infections with *Schistosoma mansoni* in mice (abstract). *J. Parasitol.* **36**: 13, Supp.
- Cronin, John W. (Reed and Baney): Hospital beds in the United States, 1950. *Pub. Health Rep.* **65**: 1461.
- Culwell, W. B.: *See* Coatney, G. Robert (Cooper, Culwell, White, and Imboden); Coatney, G. Robert (Cooper, Eyles, Culwell, White, and Lints); Cooper, W. Clark (Coatney, Culwell, Eyles, and Young).
- Cummings, M. M.: *See* Robinson, J. H. (Cummings and Patnode).
- *Cutler, Sidney J.: Cancer illness among residents of Atlanta, Georgia, 1947. *Public Health Service publication No. 13, Cancer morbidity series No. 1.*
- The role of morbidity reporting and case registers in cancer control. *Pub. Health Rep.* **65**: 1084.

D

- Dalmat, Herbert T.: Studies on the flight range of certain Simuliidae, using aniline dye marker. *Ann. Ent. Soc. America* **43**: 537.
- Dalton, Albert J. (Kahler, Striebich, and Lloyd): Finer structure of hepatic, intestinal, and renal cells of the mouse as revealed by the electron microscope. *J. Nat. Cancer Inst.* **11**: 439.
- (Morris, Striebich, and Dubnik): Histologic changes in strain C mice following long term ingestion of thiouracil. *J. Nat. Cancer Inst.* **11**: 391.
- *See also* Bothe, Albert E. (Dalton, Hastings, and Zillessen); Dubnik, Celia S. (Morris and Dalton).
- Daniel, Esther P.: *See* Toal, Jane Nicolet (and Daniel).
- Daniel, George E. (and May): Observations on the reactions of *Pelomyxa carolinensis* subjected to a direct current electric field. *Physiol. Zoology* **23**: 231.
- *——— The ultraviolet absorption of aqueous suspensions of 20-methyl-cholanthrene. *Brit. J. Cancer* **4**: 139.
- *Davis, Dorland J. (and Hawkins): Recovery of a case of psittacosis following aureomycin therapy. *Med. Ann. District of Columbia* **19**: 203.
- (Pittman and Griffiths): Hemagglutination by the Koch-Weeks bacillus (*Hemophilus aegyptius*). *J. Bact.* **59**: 427.

- Dean, H. Trendley (Arnold, Jay, and Knutson): Studies on mass control of dental caries through fluoridation of the public water supply. *Pub. Health Rep.* 65: 1403.
- Deringer, Margaret K.: *See* Barrett, Morris K. (and Deringer); Heston, W. E. (Deringer, Dunn, and Levillain).
- Despopoulos, A. (and Perloff): Pituitary versus primary thyroid myxedema. *Am. J. Med. Sc.* 220: 208.
- De Witt, William J.: Eosinophil response of mice to single sex and mixed *Schistosoma japonica* infections (abstract). *J. Parasitol.* 36: 13, *Supp.*
- Diehl, Harry W.: *See* Fletcher, Hewitt G., Jr. (Diehl and Hudson).
- Doak, G. O. (and Jaffe): Disproportionation of aromatic Stiboso compounds. II. Methods and synthesis. *J. Am. Chem. Soc.* 72: 3025.
- *See also* Jaffe, H. H. (and Doak).
- Donohue, James F.: *See* Freeble, Charles R., Jr. (Wright, Donohue, and Bolin); Freeble, Charles R., Jr. (Wright, Donohue, and Pratt).
- Dorn, Harold F.: Pitfalls in population forecasts and projections. *J. Am. Stat. Assoc.* 45: 311.
- Variations in cancer incidence in the United States (abstract). *J. Nat. Cancer Inst.* 11: 635.
- Downing, V.: *See* Leiter, J. (Downing, Hartwell, and Shear).
- *Dubnik, Celia S. (Morris and Dalton): Inhibition of mammary-gland development and mammary tumorigenesis in female C₃H mice ingesting thiouracil. *J. Nat. Cancer Inst.* 10: 815.
- *See also* Dalton, A. J. (Morris, Striebich, and Dubnik); Morris, Harold P. (and Dubnik).
- Duchesne, Emily: *See* Sanford, Katherine K. (Earle, Shelton, Schilling, Duchesne, Likely, and Becker).
- Dunn, John E., Jr. (and Greenhouse): Cancer diagnostic tests. Principles and criteria for development and evaluation. *Public Health Service Publication No. 9.*
- Dunn, Thelma B.: *See* Andervont, Howard B. (and Dunn); Heston, W. E. (Deringer, Dunn, and Levillain).
- Dunning, M. F.: *See* Berger, E. Y. (Dunning, Steele, Jackenthal, and Brodie); Steel, J. Murray (Berger, Dunning, and Brodie).
- *Dyer, Helen M.: An index of tumor chemotherapy. A tabulated compilation of data from the literature on clinical and experimental investigations. *National Cancer Institute Monograph*, 329 pp.
- (and Ross): Ascorbic acid, dehydroascorbic acid, and diketogulonic acid of transplanted melanomas and of other tumors of the mouse. *J. Nat. Cancer Inst.* 11: 313.

E

- Eagle, Harry: The development of bactericidal resistance to penicillin, streptomycin, and chloromycetin (abstract). *In Proc. 50th general meeting, Society of American Bacteriologists*, p. 101.
- (Fleischman and Musselman): The bactericidal action of penicillin in vivo: The participation of the host, the slow recovery of the surviving organisms. *Ann. Int. Med.* 33: 544.
- ——— The effect of the schedule of administration on the therapeutic efficacy of penicillin: The importance of the aggregate time for which penicillin remains at effectively bactericidal levels. *Am. J. Med.* 9: 280.
- *See also* Germuth, Frederick G., Jr. (Eagle and Oyama); Steinman, Harry G. (and Eagle).

- *Earle, Wilton R. (Evans and Schilling) : Extension of cellophane substrate procedure to growth of *in vitro* cultures of large areas. J. Nat. Cancer Inst. 10: 943.
- *—— (Schilling and Shelton) : Production of malignancy *in vitro*. IX. Description of cells at the fluid interface of the culture; X. Continued description of cells at the glass interface of the cultures. J. Nat. Cancer Inst. 10: 865; 1067.
- *—— (Shelton and Schilling) : Production of malignancy *in vitro*. XI. Further results from reinjection of *in vitro* cell strains into strain C₃H mice. J. Nat. Cancer Inst. 10: 1105.
- See also Algire, Glenn H. (Chalkley and Earle) ; Sanford, Katherine K. (Earle, Shelton, Schilling, Duchesne, Likely, and Becker) ; Schilling, Edward L. (Earle and Evans).
- Eddy, Bernice E. (and Ward) : A subtype of influenza A virus which is virulent for mice (abstract). In Proc. 50th general meeting, Society of American Bacteriologists, p. 71.
- (and Wyckoff) : Influenza virus in sectioned tissues. Proc. Soc. Exper. Biol. and Med. 75: 290.
- See also Ward, Thomas G. (and Eddy).
- Eden, M. (Pratt and Kahler) : A microtome specimen holder advanced by thermal expansion. Rev. Scient. Instruments 21: 802.
- Edgcomb, John H. (Arnold, Yount, Alving, Eichelberger, Jeffery, Eyles, and Young) : Primaquine, SN 13272, a new curative agent in *vivax* malaria. A preliminary report. J. Nat. Malaria Soc. 9: 285.
- Edwards, P. R. (and West) : Unusual types of enteric bacteria. J. Infect. Dis. 87: 184.
- Eisele, C. Wesley (McCullough and Beale) : Brucellosis and multiple sclerosis. J. Am. Med. Assoc. 143: 1473.
- Eisenman, A. J. : See Isbell, Harris (Altschul, Kornetsky, Eisenman, Flannary, and Fraser).
- *Eklund, Carl M. (Brennan and Bell) : Final report to the Pan-American Sanitary Bureau regarding the 1948-49 outbreak of eastern equine encephalitis in the Dominican Republic. Bol. de Ofic. san. panam. 29: 493.
- Ellerbrook, L. D. : See Thornton, Helen (Ellerbrook, Rhees, Stowell, and Lippincott).
- Elliott, David C. : Effect of aureomycin in ocular complications of leprosy. Am. J. Ophth. 33: 1029.
- *Emmons, Chester W. : Histoplasmosis: Animal reservoirs and other sources in nature of the pathogenic fungus, *Histoplasma*. Am. J. Pub. Health 40: 436.
- Erickson, Paul T. : Relapse following apparent arrest of leprosy by sulfone therapy. Pub. Health Rep. 65: 1147.
- See also Johansen, Frederick A. (and Erickson).
- Eschenbrenner, Allen B. (and Miller) : Effects of roentgen rays on testis: Quantitative histologic analyses following whole-body exposure of mice. Arch. Path. 50: 735.
- Essig, Carl F. (and Marshall) : The enhancement of spreading cortical depression by a dialyzing technique. Proc. Soc. Exper. Biol. and Med. 75: 429.
- Ettinger, M. B. (Moore and Lishka) : The anerobic persistence of phenol and L-cresol (abstract). In Abstracts of papers, 118th meeting, American Chemical Society, p. 88.
- (Ruchhoft and Lishka) : Sensitizing the 4-aminoantipyrine reaction with phenolic materials for use in water and waste analysis (abstract). In Abstracts of papers, 118th meeting, American Chemical Society, p. 88.

- Ettinger, M. B. *See also* Christenson, C. W. (Ettinger, Robeck, Hermann, Kohr, and Newell).
- Evans, Virginia J: *See* Earle, Wilton R. (Evans and Schilling); Schilling, Edward L. (Earle and Evans).
- Ewing, W. H. (and Kauffmann): A new coli O-antigen group. *Pub. Health Rep.* 65: 1341.
- (Taylor and Hucks): The Alkalescens-Dispar group. *Pub. Health Rep.* 65: 1474.
- Eyles, Don E.: A stain for malarial oöcysts in temporary preparations. *J. Parasitol.* 36: 501.
- (and Young): The comparative susceptibility of *Anopheles albimanus* and *Anopheles quadrimaculatus* to a South Carolina strain of *Plasmodium falciparum*. *J. Infect. Dis.* 87: 189.
- *See also* Coatney, G. Robert (Cooper, Eyles, Culwell, White, and Lints); Cooper, W. Clark (Coatney, Culwell, Eyles, and Young); Edgcomb, John H. (Arnold, Yount, Alving, Eichelberger, Jeffery, Eyles, and Young); Jeffery, Geoffrey (Eyles and Young).

F

- Fairhall, Lawrence T. (Highman and Perone): The physiological response to dust from locomotive traction material. *Pub. Health Rep.* 65: 1003.
- Ferebee, Shirley H.: *See* Long, Esmond R. (and Ferebee); Palmer, Carroll E. (Ferebee and Petersen).
- Ferguson, M. S.: Life cycle of *Diphyllbothrium latium*, broad fish tapeworm, (abstract). *Anat. Rec.* 108: 546.
- Findlay, Stephen P. (and Small): The preparation and degradation of 6-methylcodeine. *J. Am. Chem. Soc.* 72: 3249.
- The preparation and properties of codeinnone. *J. Am. Chem. Soc.* 72: 3247.
- Fink, Marvin: *See* Helrich, Martin (Papper, Brodie, Fink, and Rovenstine).
- Firminger, Harlan I.: Carbowax embedding for obtaining thin tissue sections and study of intracellular lipids. *Stain Technol.* 25: 121.
- Ultraviolet absorption spectromicroscopy of interstitial cells of testis using carbowax embedding. *J. Nat. Cancer Inst.* 10: 1350.
- Fitzgerald, Robert J. (Zander and Jordan): The effects of a penicillin dentrifice on oral lactobacilli. *J. Am. Dent. Assoc.* 41: 62.
- Flannary, H. F.: *See* Isbell, Harris (Altschul, Kornetsky, Eisenman, Flannary, and Fraser).
- Fleischman, R.: *See* Eagle, Harry (Fleischman and Musselman).
- Fletcher, Hewitt G., Jr. (Diehl and Hudson): Improvements in the preparation of D-arabinose from calcium D-gluconate and of D-lyxose from calcium D-galactonate. *J. Am. Chem. Soc.* 72: 4546.
- (and Hudson): The reaction of tribenzoyl- β -D-arabinopyranosyl bromide and tribenzoyl- α -D-xylopyranosyl bromide with methanol in the absence of an acid acceptor. *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 9R.
- The reaction of tribenzol- β -D-arabinopyranosyl bromide and tribenzoyl- α -D-xylopranosyl bromide with methanol in the absence of an acid acceptor. *J. Am. Chem. Soc.* 72: 4173.
- (and Richtmyer): Applications in the carbohydrate field of reductive desulfurization by Raney nickel. *In* Advances in carbohydrate chemistry, New York, Academic Press, vol. 5, p. 1.
- *See also* Ness, Robert K. (Fletcher and Hudson).

- *Fodor, A. (and Fodor) : The structure of the acropeptides. *Science* 111: 678.
- Fodor, P. J. : *See* Fodor, A. (and Fodor).
- Fones, William S. (Waalkes and White) : Studies on the conversion of L-valine to glucose and glycogen in rats (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 38C.
- (and White) : Studies on the metabolism of L-valine in phlorizinized and fasted animals. *Arch. Biochem.* 28: 145.
- *See also* Waalkes, T. Phillip (Fones and White).
- *Forbisher, Martin, Jr. (and Parsons) : Studies on type-specific immunization with somatic antigens of *Corynebacterium diphtheriae*. *Am. J. Hyg.* 52: 239.
- *See also* King, Elizabeth O. (Forbisher and Parsons) ; Parsons, Elizabeth I. (and Forbisher).
- Fox, Charlotte (and Birren) : The differential decline of subtest scores of the Wechsler-Bellevue intelligence scale in 60-69 year old individuals (abstract). *J. Genet. Psychol.* 77: 313.
- Intellectual deterioration in the aged: Agreement between the Wechsler-Bellevue and the Babcock-Levy. *J. Consulting Psychol.* 14: 305.
- The measurement of intellectual deterioration in the aged (abstract) *Am. J. Psychol.* 5: 364.
- *See also* Birren, James E. (Fox and Botwinick).
- *Fox, Irving (and Kohler) : Distribution and relative abundance of species of biting midges or *Culicoides* in Eastern Puerto Rico, as shown by light traps. *Puerto Rico J. Pub. Health and Trop. Med.* 25: 342.
- Frankhauser, Keith H. : *See* Tabor, Elbert C. (and Frankhauser).
- Fraser, H. F. : *See also* Isbell, Harris (Altschul, Kornetsky, Eisenman, Flannary, and Fraser) ; Isbell, Harris (and Fraser).
- Freeble, Charles R., Jr. (Wright, Donohue, and Bolin) : The Ohio National Guard blood-testing program. *J. Ven. Dis. Inform.* 31: 231.
- (Wright, Donohue, and Pratt) : Suggested technics for mass health education at county fairs. *J. Ven. Dis. Inform.* 31: 308.
- Fry, Edward M. : Oxazoline ring-opening. *J. Org. Chem.* 15: 802.
- Fu, Shou-Cheng J. (Levintow, Price, and Greenstein) : Preparation and properties of α - α -di-(acylamino) aliphatic acids. *Arch. Biochem.* 28: 440.
- ——— Preparation and properties of α , α -di (acylamino) aliphatic acids (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 25C.
- (Price and Greenstein) : Alkali-catalyzed ring closure of pyruvoyl-glycine (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 24C.
- *See also* Corwin, Alsohp H. (and Fu).
- Furculow, Michael L. : Further observations on histoplasmosis. *Mycology and bacteriology.* *Pub. Health Rep.* 65: 965.

G

- Gafafer, W. M. : Industrial sickness absenteeism. Males and females, 1949, and males, first and second quarters, 1950. *Pub. Health Rep.* 65: 1556.
- Sickness absenteeism among a sample of member companies of I. H. F. *In* Transaction Bulletin, Pittsburgh, Pa., Industrial Hygiene Foundation, 1950, p. 92.
- Gaines, Thomas B. : *See* Hayes, Wayland J., Jr. (and Gaines).
- *Germuth, Frederick G., Jr. (Eagle and Oyama) : The rate of disappearance of *Leishmania donovani* from the spleen of the infected golden hamster following a single injection of a pentavalent antimonial. *Am. J. Trop. Med.* 30: 371.

- *Germuth, Frederick G., Jr. (Eagle and Oyama) : An evaluation of the criteria of cure in experimental leishmaniasis of the golden hamster. *Am. J. Trop. Med.* **30**: 377.
- (and Ottinger) : The effect of 17-hydroxyl-11-dehydrocorticosterone (compound E) and of pituitary adrenocorticotrophic hormone on the production of experimental anaphylactic hypersensitivity and antibody formation in the rabbit. *Proc. Soc. Exper. Biol. and Med.* **75**: 815.
- Gibson, Colvin L. : The early developmental stage of *Onchocerca volvulus* in Guatemalan species of *Simulium* (abstract). *J. Parasitol.* **36**: 29, Supp.
- Gillick, Frederick G. (and Reynolds) : Electrocardiographic observations in constrictive pericarditis. *Radiology* **55**: 77.
- Goette, Mary B. : See Pearce, George W. (Goette and Spillane).
- Goldin, A. (Greenspan, Goldberg, and Schoenbach) : Studies on the mechanism of action of chemotherapeutic agents in cancer. I. Sex difference in toxicity to the folic acid analogue, 4-aminopteroylglutamic acid. *Cancer* **3**: 849.
- (Greenspan and Schoenbach) : Studies on the mechanism of action of chemotherapeutic agents in cancer. IV. Relationship of guanine and guanylic acid to the action of guanazolo on lymphoid tumors in mice and rats. *J. Nat. Cancer Inst.* **11**: 319.
- See also Greenspan, Ezra M. (Goldin and Schoenbach) ; Schoenbach, Emanuel B. (Goldin and Greenspan).
- Goldstein, Marcus S. : Medical group practice. *J. Nat. Med. Assoc.* **42**: 223.
- Goodwin, Mary S. : Status of treatment of syphilitic pregnant women and of children who have congenital syphilis. *J. Ven. Dis. Inform.* **31**: 185.
- Grant, Robert P. : Spatial vector electrocardiography. *Circulation* **2**: 676.
- Gray, A. L. (Usilton and Iskrant) : Measurement of trend of syphilis in Mississippi. *J. Ven. Dis. Inform.* **31**: 225.
- Greenberg, Bernard G. : See Thompson, Frederick A., Jr. (Greenberg and Magnuson).
- Greenberg, Joseph (and Richeson) : Potentiation of the antimalarial activity of sulfadiazine by 2, 4-diamino-5-aryloxyprymidines. *J. Pharmacol. and Exper. Therap.* **99**: 444.
- (and Taylor) : The effect of dietary carbohydrate on *Endamoeba histolytica* infections in the rat. *J. Parasitol.* **36**: 21, Supp.
- (Trembley and Coatney) : Strain differences in *Plasmodium gallinaceum* Brumpt. I. Differences in the behavior of the exoerythrocytic forms of a blood-passaged (BI) and sporozite-passaged (SP) strain of *Plasmodium gallinaceum*. *J. Nat. Malaria Soc.* **9**: 320.
- See also Josephson, Edward S. (Taylor, Greenberg, and Ray) ; Taylor, D. Jane (Greenberg, Highman, and Coatney).
- Greenhouse, Samuel W. (and Cornfield) : The Youden index: Letter to the editor. *Cancer* **3**: 1097.
- (and Mantel) : The evaluation of diagnostic tests (abstract). *Biometrics* **6**: 399.
- See also Dunn, John E., Jr. (and Greenhouse).
- Greenspan, Ezra M. (Goldin and Schoenbach) : Studies on the mechanism of action of chemotherapeutic agents in cancer. II. Requirements for the prevention of aminopterin toxicity by folic acid in mice. *Cancer* **3**: 856.
- (Leiter and Shear) : Effect of alpha-peltatin, beta-peltatin, and podophyllotoxin on lymphomas and other transplanted tumors. *J. Nat. Cancer Inst.* **10**: 1295.
- See also Goldin, A. (Greenspan, Goldberg, and Schoenbach) ; Goldin, A. (Greenspan and Schoenbach) ; Morrow, Andrew G. (Greenspan and Carroll) ;

- Schoenbach, Emanuel B. (Goldin and Greenspan); Schoenbach, Emanuel B. (Greenspan and Colsky); Snapper, I. (and Greenspan).
- Greenstein, Jesse P.: The present status of cancer research. *Sc. Counselor* 8: 135.
- (Levintow, Baker, and White): Preparation of the four stereoisomers of isoleucine (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 24C.
- *See also* Fu, Shou-Cheng J. (Levintow, Price, and Greenstein); Fu, Shou-Cheng J. (Price and Greenstein).
- Greiner, Theodore: *See* Clarke, Donald A. (Modell, Greiner, Kwit, Gluck, and Gold).
- Griffitts, J. J.: *See* Davis, Dorland J. (Pittman and Griffitts).
- Grobstein, Clifford: Production of intra-ocular hemorrhage by mouse trophoblast. *J. Exper. Zool.* 114: 359.

H

- *Habel, Karl: Purification of brain tissue vaccines. General considerations. *Am. J. Pub. Health* 40: 444.
- Hall, Lawrence B.: Establishing a malaria demonstration control program in Iran. *CDC Bull.* 9: 25, July.
- The Equipment Development Section of the Technical Development Services. *CDC Bull.* 9: 22, Nov.
- Hanan, Robert: The effect of tocopheryl esters on influenza virus. *Proc. Soc. Exper. Biol. and Med.* 75: 440.
- Hanchett, Leland J. (and Perry): Results of penicillin treatment in congenital syphilis. *J. Ven. Dis. Inform.* 31: 277.
- Hanlon, C. Rollins (Scott and Olson): Experimental tuberculosis. I. Effects of anastomosis between systemic and pulmonary arteries on tuberculosis in monkeys. *Surgery* 28: 209.
- Harding, Clifford V.: The action of heparin on fertilization in the eggs of *Arbacia punctulata* and *Echinarchnius parma* (abstract). *Biol. Bull.* 99: 340.
- Hartwell, Jonathan L. (and Schrecker): Components of podophyllin. IV. The constitution of podophyllotoxin. *J. Am. Chem. Soc.* 72: 3320.
- The constitution of the apocropodophyllins (abstract). *In* Abstracts of papers, 118th meeting of the American Chemical Society, p. 18M.
- *See also* Leiter, J. (Downing, Hartwell, and Shear).
- Haskins, William T. (and Luttermoser): The comparative toxicities of the anti-monyl derivatives of the four isomeric potassium acid tartrates. *Am. J. Trop. Med.* 30: 591.
- (Luttermoser and Brady): The physiological disposition of diodoquin, vioform, and chiniofon in the rabbit as determined with radioiodine. *Am. J. Trop. Med.* 30: 599.
- *See also* Luttermoser, George W. (Haskins, Coleman, and Jumper).
- Hayes, Wayland J., Jr.: Present status of Warfarin as a rodenticide. *CDC Bull.* 9: 28, Aug.
- Toxicology of insecticides. *CDC Bull.* 9: 1, Nov.
- (and Gaines): Control of Norway rats with residual rodenticide Warfarin. *Pub. Health Rep* 65: 1537.
- *——— (and Simmons): The benefits and hazards of insecticides to public health. *Advances in chemistry, Series 1*, p. 56.
- Helrich, Martin (Papper, Brodie, Fink, and Rovenstine): The fate of intrathecal procaine and the spinal fluid level required for surgical anesthesia. *J. Pharmacol. and Exper. Therap.* 100: 78.
- Herndon, John F.: *See* Schubert, Joseph H. (and Herndon).

- Hertz, Roy: Endocrine and vitamin factors in hormone-induced tissue growth. *Texas Rep. Biol. and Med.* 8: 154.
- Nutritional factors affecting hormone-induced tissue growth: Folic acid and the biotin-avidin complex (abstract). *Proc. Internat. Cancer Cong.*, p. 124.
- *See also* Allen, Milton J. (Hertz and Tullner).
- Heston, W. E.: Carcinogenic action of the mustards. *J. Nat. Cancer Inst.* 11: 415.
- *——— (Deringer, Dunn, and Levillain): Factors in the development of spontaneous mammary gland tumors in agent-free strain C₃Hb mice. *J. Nat. Cancer Inst.* 10: 1139.
- Highman, Benjamin (and Altland): A new method for the production of experimental bacterial endocarditis. *Proc. Soc. Exper. Biol. and Med.* 75: 573.
- *See also* Altland, Paul D. (and Highman); Fairhall, Lawrence T. (Highman and Perone); Taylor, D. Jane (Greenberg, Highman, and Coatney).
- *Hine, G. J.: An automatic isodose recorder. *Electrical Engin.* 69: 69a.
- Hogeboom, George H. (and Schneider): Cytochemical studies of mammalian tissues. III. Isocitric dehydrogenase and triphosphopyridine nucleotide-sytochrome *c* reductase of mouse liver. *J. Biol. Chem.* 186: 417.
- *——— ——— Intracellular distribution of enzymes. VIII. The distribution of diphosphopyridine nucleotide-cytochrome *c* reductase in normal mouse liver and mouse hepatoma. *J. Nat. Cancer Inst.* 10: 983.
- ——— Sonic disintegration of isolated liver mitochondria. *Nature* 166: 302.
- *See also* Schneider, Walter C. (and Hogeboom); Schneider, Walter C. (Hogeboom and Ross).
- Hollcroft, Joanne (Lorenz and Hunstiger): Effects of ionizing radiations on a transplanted lymphosarcoma. *J. Nat. Cancer Inst.* 11: 1.
- Hopkins, Glen J.: Some public health implications of the Missouri Valley development program. *Am J. Pub. Health* 40: 917.
- Horecker, B. L. (and Smyrniotis): Enzymatic production of ribose-5-phosphate from 6-phosphogluconate. *Arch. Biochem.* 29: 232.
- ——— Enzymatic production of ribose-5-phosphate from 6-phosphogluconate (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 41C.
- *Houssay, B. A.: Rôle de l'hypophyse dans le métabolisme des hydrates de carbone et le diabète [Role of the hypophysis in carbohydrate metabolism and diabetes]. *Fol. endocr.*, Pisa 3: 127.
- *——— Fisiopatologia de la diabète (Physiopathology of diabetes). *Rev. As. méd. argent.* 64: 105.
- *Howitt, B. F.: Isolation and differentiation of the Coxsackie group of viruses. *Federation Proc.* 9: 574.
- *Hoyer, Bill H.: Some aspects of the physiology of *Brucella* organisms. *In* Brucellosis. A symposium, Washington, D. C., American Association for the Advancement of Science, p. 9.
- Hucks, M. C.: *See* Ewing, W. H. (Taylor and Hucks).
- Hudson, C. S.: *See* Fletcher, Hewitt G., Jr. (Diehl and Hudson); Fletcher, Hewitt G., Jr. (and Hudson); Ness, Robert K. (Fletcher and Hudson); Pratt, James W. (Richtmyer and Hudson); Richtmyer, Nelson K. (and Hudson); Richtmyer, Nelson K. (Stewart and Hudson); Zissis, Emmanuel (Richtmyer and Hudson).
- Huebner, Robert J.: Bickettsialpox and Q fever. *Bact. Rev.* 14: 245.
- (Armstrong, Beeman, and Cole): Studies of Coxsackie viruses. Preliminary report on occurrence of Coxsackie virus in a southern Maryland community (abstract). *J. Am. Med. Assoc.* 144: 609.

- Huebner, Robert J.: *See also* Bell, Joseph A. (Beck and Huebner); Ransom, Sara Elizabeth (and Huebner).
- *Hueper, W. C.: Environmental and occupational cancer. *Pub. Health Rep. Supp.* No. 209 Rev.
- Environmental cancer hazards caused by industrial air pollution. *Arch. Indust. Hyg. and Occup. Med.* 2: 325.
- A methodology for environmental and occupational cancer surveys. *Public Health Service, Public Health Technical Monograph* No. 1.
- Present and potential occupational cancer hazards and carcinogenic operations in modern industry. *South. M. J.* 43: 118.
- The role of environmental agents in the causation of human cancer. *Acta Unio Internationalis Contra Cancrum* 6: 1295.
- *——— The significance of occupational cancer for industry and public health. *Acta Unio Internationalis Contra Cancrum* 6: 1351.
- Hughes, John H.: 1080 (sodium fluoroacetate) poisoning of rats on ships. *Pub. Health Rep.* 65: 1021.
- Hughes, Lyndahl E.: *See* Philip, Cornelius B. (Hughes, Rao, and Kalra).
- Hundley, James M.: Achromotrichia due to copper deficiency. *Proc. Soc. Exper. Biol. and Med.* 74: 531.
- Role of copper in achromotrichia in rats. Abstract interrelations of various dietary and hormonal factors. *In Proc. 18th Internat. Physiol. Cong.*, p. 270.
- *See also* Pecora, Louis J. (Ashburn and Hundley).
- *Hunninen, Arne V. (Young and Burgess): The infection of anopheline mosquitoes by native avian malaria. *J. Nat. Malaria Soc.* 9: 145.
- Hunstiger, Harriet: *See* Hollcroft, Joanne (Lorenz and Hunstiger).
- Huse, Betty (and Aufranc): A proposal for joint action against congenital syphilis. *J. Ven. Dis. Inform.* 31: 174.

I

- Imboden, C. A., Jr. (Cooper, Coatney, and Jeffery): Studies in human malaria. XXIX. Trials of aureomycin, chloroamphenicol, penicillin, and dihydrostreptomycin against the Chesson strain of *Plasmodium vivax*. *J. Nat. Malaria Soc.* 9: 377.
- *See also* Coatney, G. Robert (Cooper, Culwell, White, and Imboden); Cooper, W. Clark, Coatney, Jeffery, and Imboden).
- *Innes, J. R. M.: Demyelinating diseases of animals. *Research Publ. Assoc. Nerv. and Ment. Dis.* 23: 75.
- *——— Experimental allergic encephalitis and implications regarding the aetiology of demyelinating diseases of man and animals. A review. *Brit. Vet. J.* 106: 93.
- (Berger and Francis): Subacute bacterial endocarditis with pulmonary embolism in a horse with *Shigella equirulis*. *Brit. Vet. J.* 106: 254.
- *See also* Van Bogaert, Ludo (and Innes).
- Isbell, Harris: Addiction to barbiturates and the barbiturate abstinence syndrome. *Ann. Int. Med.* 33: 108.
- (Altschul, Kornetsky, Eisenman, Flannary, and Fraser): Chronic barbiturate intoxication. An experimental study. *Arch. Neurol. and Psychiat.* 64: 1.
- (and Fraser): Addiction liabilities of morphinan, 6-methyldihydromorphine and dihydrocodeinone. *J. Pharmacol. and Exper. Therap.* 100: 128.
- Addiction to analgesics and barbiturates. *J. Pharmacol. and Exper. Therap.* 99: 355.
- Iskrant, Albert P.: *See* Gray, A. L. (Usilton and Iskrant).

J

- Jacobs, Leon: Oxidation-reduction potentials in the cultivation of *Endamoeba histolytica*. *Am. J. Trop. Med.* **30**: 803.
- (and Jones): The parasitemia in experimental toxoplasmosis. *J. Infect. Dis.* **87**: 78.
- (Woke and Jones): Studies on the transmission of *Toxoplasma gondii* (abstract). *J. Parasitol.* **36**: 36, Supp.
- Jaffe, H. H. (and Doak): Disproportionation of aromatic Stiboso compounds. III. Effect of structure. *J. Am. Chem. Soc.* **72**: 3027.
- *See also* Doak, G. O. (and Jaffe).
- Jeffery, Geoffrey M.: Incidence of *Enterobius vermicularis* in Puerto Rican children, with a comparison of two diagnostic methods. *J. Parasitol.* **36**: 485.
- (Eyles and Young): The comparative susceptibility of *Anopheles quadrimaculatus* and two strains of *Anopheles albimanus* to a Panama strain of *Plasmodium falciparum*. *J. Nat. Malaria Soc.* **9**: 349.
- *See also* Cooper, W. Clark (Coatney, Jeffery, and Imboden); Edgcomb, John H. (Arnold, Yount, Alving, Eichelberger, Jeffery, Eyles, and Young); Imboden, C. A., Jr. (Cooper, Coatney, and Jeffery).
- Jellison, William L.: Haplomycosis in Montana rabbits, rodents, and carnivores. *Pub. Health Rep.* **65**: 1057.
- Tularemia. Geographical distribution of "deerfly fever" and the biting fly, *Chrysops discalis* Williston. *Pub. Health Rep.* **65**: 1321.
- (Epler, Kuhns, and Kohls): Tularemia in man from a domestic rural water supply. *Pub. Health Rep.* **65**: 1219.
- (and Kohls): Persistence of agglutinins against *Pasteurella tularensis* in serums of naturally infected sheep. *J. Am. Vet. Med. Assoc.* **117**: 405.
- Jenkins, Kenneth H.: *See* Cole, H. N. (Plotke, Thomas, and Jenkins).
- Jensen, Jens A.: The radioactive isotope laboratory unit at Technical Development Services. *CDC Bull.* **9**: 26, Nov.
- Johansen, Frederick A. (and Erickson): Current status of therapy in leprosy. *J. Am. Med. Assoc.* **144**: 985.
- *Johnson, F. H. (Flagler and Blum): Relation of oxygen to photoreactivation of bacteria after ultraviolet radiation. *Proc. Soc. Exper. Biol. and Med.* **74**: 32.
- Johnson, James M.: *See* Morris, Harold P. (Dubnik and Johnson).
- *Johnson, P. T. (and Thurman): The occurrence of *Aedes (Ochlerotatus) pullatus* (Coquille), in California (Diptera: Culicidae). *Pan-Pacific Entom.* **26**: 107.
- Johnston, Helen L.: Rural health cooperatives. *Pub. Health Rep.* **65**: 1383.
- Johnwick, Edgar B.: The treatment of neurosyphilis: Penicillin alone versus penicillin plus arsenic and bismuth. *J. Ven. Dis. Inform.* **31**: 303.
- Jones, Frances E.: *See* Jacobs, Leon (and Jones); Jacobs, Leon (Woke and Jones).
- Jones, Genevieve S.: *See* Bryant, Zella (and Jones).
- *Jones, Jack Colvard: The normal hemocyte picture of the yellow meal-worm. *Tenebrio molitor* Linnaeus. *Iowa State College J. Sc.* **24**: 355.
- Jordan, Harold V.: *See* Fitzgerald, Robert J. (Zander and Jordan).
- Josephson, Edward S. (Taylor, Greenberg, and Ray): Metabolites of pamaquine (abstract). In Abstracts of papers, 118th meeting, American Chemical Society, p. 10C.
- Jumper, John R.: *See* Luttermoser, George W. (Haskins, Coleman, and Jumper).

K

- Kahler, Herbert: *See* Dalton, Albert J. (Kahler, Striebich, and Lloyd).
—— (and Lloyd): Metallic evaporation and the diameter of tobacco mosaic virus with the electron microscope. *J. Appl. Physics* 21: 699.
—— *See also* Eden, M. (Pratt and Kahler).
- Kaiser, Raymond F.: The cancer program in medical schools. A review. *Pub. Health Rep.* 65: 1397.
—— Why cancer "control"? *Pub. Health Rep.* 65: 1203.
- Kaplan, Henry S.: Influence of ovarian function on incidence of radiation-induced ovarian tumors in mice. *J. Nat. Cancer Inst.* 11: 125.
—— Influence of thymectomy, splenectomy, and gonadectomy on incidence of radiation-induced lymphoid tumors in strain C57 black mice. *J. Nat. Cancer Inst.* 11: 83.
—— *See also* Stewart, Harold L. (Kaplan and Bennett).
- Kaufman, Miriam: Planning, equipping, and appraising hospital dietary facilities. I. and II. *Hosp. Management* 70: 84, July; 82, Aug.
- Keister, Margaret L.: *See* Buck, John B. (and Keister).
- Kelley, Mary H.: *See* Schubert, Joseph H. (and Kelley).
- Kiely, Ruth K. (and Schneider): Synthesis of *p*-aminohippuric acid by mitochondria of mouse liver homogenates. *J. Biol. Chem.* 185: 869.
- Kilham, Lawrence: Evaluation of the agglutination of erythrocytes sensitized by Newcastle disease virus (NDV) as a serologic test in infectious mononucleosis. *J. Immunol.* 65: 2.
*—— Transmission and multiplication of Newcastle disease virus (NDV) in brains of suckling mice. *Proc. Soc. Exper. Biol. and Med.* 74: 220.
- *King, Elizabeth O. (Forbisher and Parsons): Further studies on the *in vitro* test for virulence of *Corynebacterium diphtheriae*. *Am. J. Pub. Health* 40: 704.
- Klein, Michael. Transplantation studies on an induced fibrosarcoma in rats. I. Influence of sex on incidence of tumor takes; II. Influence of sex hormones and repeated transplantation on tumor immunity. *J. Nat. Cancer Inst.* 11: 377; 381.
- Klem, Margaret C. (McKiever and Lear); Industrial health and medical programs. Public Health Service Pub. No. 15, 397 pp.
- Knutson, John W.: *See* Dean, H. Trendley (Arnold, Jay, and Knutson).
- Kohler, C. E.: *See* Fox, Irving (and Kohler).
- Kohls, Glen M.: Two new species of ticks from Ceylon (Acarina: Ixodidae). *J. Parasitol.* 36: 319.
—— *See also* Brown, John H. (and Kohls); Jellison, William L. (Epler, Kuhns, and Kohls); Jellison, William L. (and Kohls).
- Kohn, Henry I.: Changes in blood plasma of guinea pig during radiation syndrome. *Am. J. Physiol.* 162: 703.
—— Changes in the plasma of the rat during fasting, and the influence of genetic factors upon the sugar and cholesterol levels. *Am. J. Physiol.* 163: 411.
- Kolb, Robert W.: *See* Schneiter, Roy (and Kolb).
- Kornberg, Arthur (and Pricer): On the structure of triphosphopyridine nucleotide (TPN). *J. Biol. Chem.* 186: 557.
- Kornetsky, C. H.: *See* Isbell, Harris (Altschul, Kornetsky, Eisenman, Flannery, and Fraser).
- Krantz, J. A., Jr.: *See* Truitt, E. B., Jr. (McKusick and Krantz).
- Krieger, H. L.: *See* Ludzack, F. J. (Moore, Krieger, and Ruchhoff); Newell, John F. (Christenson, Shaykin, Krieger, Moeller, and Ruchhoff).

- Kurland, Leonard T. (Bowman, Bradford, Burns, and Campbell) : Multiple sclerosis in the United States and Canada with special reference to Winnipeg, Manitoba. *Manitoba Med. Rev.* 30: 700.
 ——— See also Spicknall, Charles G. (Kurland, Carle, and Terry).

L

- *Labaw, Louis W. (Mosley and Wyckoff) : Electron microscopy of ultraviolet irradiated bacteria and their interaction with bacteriophage. *Biochimica et Biophysica Acta* 5: 327.
 ——— Radioactive studies of the phosphorus metabolism of T₁r₊ bacteriophage with *Escherichia coli*. *J. Bact.* 60: 511.
 Lackman, D. B. (Parker and Pickens) : The isolation and characterization of Rocky Mountain spotted fever Rickettsiae from the rabbit tick *Haemaphysalis leporis-palustris* (abstract). In Proc. 50th general meeting, Society of American Bacteriologists, p. 91.
 ——— See also Parker, R. R. (de Prada, Bell, Lackman, Gay, and Llorente).
 Landefeld, Martha O. : See Reid, James C. (Landefeld and Gray).
 Langmuir, A. D. : See Andrews, Justin M. (Quinby and Langmuir).
 Larson, C. L. : See Carle, Birdsall N. (and Larson).
 *Lastra, Ivonne (and Coatney) : Transmission of *Haemoproteus columbae* by blood inoculation and tissue transplants. *J. Nat. Malaria Soc.* 9: 151.
 Latham, H. George (May and Mosettig) : Amino- and guanidino-phenylglucosides. *J. Org. Chem.* 15: 884.
 Law, Frank E. (and Ruble) : Dental caries in morphine addicts—as determined by clinical and radiographic examination. *Pub. Health Rep.* 65: 1336.
 Law, L. W. (and Boyle) : Studies on the development of resistance to folic acid antagonists in a transplantable lymphoid leukemia. *Proc. Soc. Exper. Biol. and Med.* 74: 599.
 ——— (and Miller) : The influence of thymectomy on the incidence of carcinogen-induced leukemia in strain dba mice. *J. Nat. Cancer Inst.* 11: 253.
 ——— Observations on the effect of thymectomy on spontaneous leukemias in mice of the high-leukemic strains RIL and C58. *J. Nat. Cancer Inst.* 11: 425.
 Lear, Walter J. : See Klem, Margaret C. (McKiever and Lear).
 *Leiter, J. (Downing, Hartwell, and Shear) : Damage induced in sarcoma 37 with podophyllin, podophyllotoxin alpha-peltatin, beta-peltatin, and quercetin. *J. Nat. Cancer Inst.* 10: 1273.
 ——— See Greenspan, Ezra M. (Leiter and Shear).
 Levillain, Wayne D. : See Heston, W. E. (Deringer, Dunn, and Levillain).
 Levine, B. S. : Effect of formaldehyde on the direct microscopic count of raw milk. *Pub. Health Rep.* 65: 931.
 Levintow, Leon : See Fu, Shou-Cheng J. (Levintow, Price, and Greenstein) ; Greenstein, Jesse P. (Levintow, Baker, and White).
 Levitan, Sacha : See Arnold, R. C. (Wright and Levitan).
 Lewis, J. L., Jr. : See Terry, Luther L. (Lewis and Sessoms).
 Liberti, D. V. : See Wright, R. D. (and Liberti).
 Likely, Gwendolyn : See Sanford, Katherine K. (Earle, Shelton, Schilling, Duchesne, Likely, and Becker).
 Lillie, R. D. : Further exploration of the HIO,—Schiff reaction with remarks on its significance. *Anat. Rec.* 108: 239.
 Link, Vernon B. : Plague. *CDC Bull.* 9: 1, Aug; *J. Am. Med. Soc.* 144: 375.
 ——— (Longergan and Prince) : The 1950 plague epidemic in Bay City, Utopia. *CDC Bull.* 9: 19, Aug.

- Link, Vernon B.: (and Prince): Methods used in plague transmission studies, CDC Bull. 9: 15, Aug.
- Lints, Herbert A.: See Coatney, G. Robert (Cooper, Eyles, Culwell, White, and Lints).
- Lippincott, S. W.: See Thornton, Helen (Ellerbrook, Rhees, Stowell, and Lippincott).
- Lishka, R. J.: See Ettinger, M. B. (Moore and Lishka); Ettinger, M. B. (Ruchhoft and Lishka).
- Lloyd, Bolivar J.: See Dalton, Albert J. (Kahler, Striebich, and Lloyd); Kahler, H. (and Lloyd).
- Long, Esmond R. (and Ferebee): A controlled investigation of streptomycin treatment in pulmonary tuberculosis. Pub. Health Rep. 65: 1421.
- Longergan, Richard P.: See Link, Vernon B. (Longergan and Prince).
- *Lorenz, Egon: Some biologic effects of long continued irradiation. Am. J. Roent. and Radium Therap. 63: 176.
- See also Bryan, W. Ray (Lorenz and Moloney); Hollcroft, Joanne (Lorenz and Hunstiger).
- Low-Beer, B. V. A.: See Masouredis, S. P. (Low-Beer, Bierman, Cherney, and Shimkin).
- Ludzack, F. J. (Moore, Krieger, and Ruchhoft): Effect of cyanide on the self-purification of sewage and polluted water (abstract). In Abstracts of papers, 118th meeting, American Chemical Society, p. 4S.
- See also Moore, W. Allan (Ludzack and Ruchhoft).
- Luttermoser, George W. (Haskins, Coleman, and Jumper): Chemotherapy of *Endamoeba histolytica* infections in the rabbit (abstract). J. Parasitol. 36: 21, Supp.
- See also Haskins, W. T. (and Luttermoser); Haskins, W. T. (Luttermoser and Brady).
- Lyman, F. Earle: See Bradley, George H. (and Lyman).
- Lyons, W. R.: See Slattery, Paul A. (Lyons and Shimkin).

M

- Maas, W. K.: A temperature-sensitive pantothenicless mutant of *Escherichia coli* (abstract). In Proc. 50th general meeting, Society of American Bacteriologists, p. 129.
- Magnuson, Harold J.: See Thompson, Frederick A., Jr. (Greenberg and Magnuson).
- *Maldonado, José F. (Matienzo and Herrera): Biological studies on the miracidium of *Schistosoma mansoni*. Part 3. The role of light and temperature in hatching. Puerto Rico J. Pub. Health and Trop. Med. 25: 359.
- Malmgren, R. A. (and Bennison): Serologic properties of mitochondria isolated from normal and neoplastic mouse tissues. J. Nat. Cancer Inst. 11: 301.
- Mantel, Nathan: See Greenhouse, Samuel W. (and Mantel).
- Marder, Sumner N.: Survival, body weights, and lymphoid tissue weights following adrenalectomy in CBA mice. J. Nat. Cancer Inst. 11: 133.
- Markos, Basil G.: See Peters, Richard F. (Thurman, Markos, and Mulhern).
- Marshall, Louise H. (and Specht): Changes in renal function accompanying acclimatization to reduced barometric pressure (abstract). Am. J. Physiol. 163: 733.
- Marshall, Wade H.: See Essig, Carl F. (and Marshall).
- Masouredis, S. P. (Low-Beer, Bierman, Cherney, and Shimkin): The partition of radiophosphorus (P^{32}) in blood, urine, and tumor tissue in patients with

- Hodgkin's disease and lymphosarcoma before and after treatment with nitrogen mustard (methyl bis (beta-chloroethyl) amine). *J. Nat. Cancer Inst.* 11: 289.
- (Shimkin, McMillan, and Fox): Distribution of radioactivity in tissues of normal and tumor bearing mice following intravenous administration of radioiodotetrazolium salt. *J. Nat. Cancer Inst.* 11: 91.
- Mathews, Margie M.: *See* Blum, Harold F. (and Mathews).
- Matienzo, Josefina Acosta: *See* Maldonado, José F. (Matienzo and Herrera).
- Maver, Mary E.: *See* Bryan, W. Ray (Maver, Moloney, Wood, and White).
- May, Everette L. (and Mosettig): Amino- and guanidino-phenylglucosaminides. *J. Org. Chem.* 15: 890.
- *See also* Latham, H. George (May and Mosettig).
- May, Garnett H.: *See* Daniel, George E. (and May).
- McLeod, Charlotte: *See* Arnold, R. C. (Wright and McLeod).
- McClure, F. J.: Availability of fluorine in sodium fluoride vs. sodium fluosilicate. *Pub. Health Rep.* 65: 1175.
- Fluorine, ash, calcium, and phosphorus in human teeth. *J. Dent. Res.* 29: 315.
- *McCullough, Norman B.: Laboratory tests in brucellosis. *In* Brucellosis. A symposium, Washington, D. C., American Association for the Advancement of Science, p. 116.
- *See also* Eisele, C. Wesley (McCullough and Beale).
- McDonald, R. K.: *See* Miller, John H. (McDonald and Shock).
- McGibony, J. R. (and Block): The program of the regional council. *Hosp. Prog.* 31: 261.
- McKiever, Margaret F.: *See* Klem, Margaret C. (McKiever and Lear).
- McKusick, Victor A.: *See* Southworth, J. L. (McKusick, Peirce, and Rawson); Truitt, E. B., Jr. (McKusick and Krantz).
- McLendon, Sol B. (and Young): The response of *Plasmodium malariae* infections to metachloridine, clorguanide (paludrine), and intramuscular chloroquine (abstract). *J. Parasitol.* 36: 23, Supp.
- *McLimans, W. F. (Siem, Mark, and Pinska): A physiological study of virus parasitism. II. The effect of environmental temperature on the rates of oxygen consumption of normal eggs and eggs infected with Newcastle disease virus. *J. Immunol.* 64: 475.
- *—— (Siem and Scholljegerdes): A physiological study of virus parasitism. I. A method for determining the oxygen uptake of individual embryonated eggs. *J. Immunol.* 64: 463.
- Mehlman, Benjamin: *See* von Brand, Theodor (Baernstein and Mehlman); von Brand, Theodor (Tobie and Mehlman).
- *Meister, Alton: Lactic dehydrogenase activity of certain tumors and normal tissues. *J. Nat. Cancer Inst.* 10: 1263.
- (Sober and Tice): Enzymatic formation of CO₂ and L-alanine from aspartic acid by *Clostridium welchii* (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 39C.
- (and Tice): Transmission from glutamine to L-keto acids. *J. Biol. Chem.* 187: 173.
- *See also* Baker, Carl C. (and Meister).
- *Mercado, Teresa I.: Observations on the respiration of triatomines. Puerto Rico *J. Pub. Health and Trop. Med.* 25: 428.
- Merwin, Ruth (Algire and Kaplan): Transparent-chamber observations of the response of a transplantable mouse mammary tumor to local roentgen irradiation. *J. Nat. Cancer Inst.* 11: 593.

- Michael, Max, Jr. (Cole, Beeson, and Olson): Sarcoidosis: Preliminary report on a study of 350 cases with special reference to epidemiology. *Am. Rev. Tuberc.* **62**: 403.
- Miller, Eliza: See Eschenbrenner, Allen B. (and Miller).
- Miller, John H. (McDonald and Shock): The renal extraction of *p*-aminohippurate (PAH) in the aged individual (abstract). *J. Gerontol.* **5**: 384.
- See also Birren, James E. (Schapiro and Miller); Law, L. W. (and Miller).
- Mitchell, Joyce A.: See Rogosa, M. (and Mitchell).
- Mohr, Carl O.: Human diseases harbored by domestic mice and rats. *CDC Bull.* **9**: 11, Aug.
- The plague problem in the United States. *CDC Bull.* **9**: 8, Aug.
- Moloney, John B.: See Bryan, W. Ray (Lorenz and Moloney); Bryan, W. Ray (Maver, Moloney, Wood, and White).
- Moore, W. Allan (Ludzack and Ruchhoff): A comparative study of oxygen consumed methods (abstract). In Abstracts of papers, 118th meeting, American Chemical Society, p. 2S.
- See also Ettinger, M. B. (Moore and Lishka); Ludzack, F. J. (Moore, Krieger, and Ruchhoff).
- Morgan, P. Councilman (and Wyckoff): The electron microscopy of fowl pox virus within chorioallantoic membrane. *J. Immunol.* **65**: 285.
- See also Roza, Georg (Morgan, Szent-Györgyi, and Wyckoff).
- Morgan, Walter C.: The relation of the lethal yellow (A^y) gene to pulmonary tumor formation of obesity in an inbred strain of mice. *J. Nat. Cancer Inst.* **11**: 263.
- *Morris, Harold P. (Dubnik and Johnson): Studies of the carcinogenic action in the rat of 2-nitro-, 2-amino-, 2-acetylamino-, and 2-diacetylaminofluorene after ingestion and after painting. *J. Nat. Cancer Inst.* **10**: 1201.
- Morris, Harold P. (Weisberger and Weisberger): The distribution of radioactivity following the feeding of carbon 14-labeled 2-acetylaminofluorene to rats. *Cancer Research* **10**: 620.
- (and Westfall): Some studies of the excretion of diazotizable material after feeding 2-acetylaminofluorene in rats. *Cancer Research* **10**: 506.
- See also Dalton, A. J. (Morris, Striebich, and Dubnik); Dubnik, Celia S. (Morris and Dalton).
- Morrow, Andrew G.: The use of tantalum gauze in the closure of full-thickness defects in the chest wall: An experimental study in dogs. *Surgery* **28**: 1016.
- (Greenspan and Carroll): Comparative studies of liver glucuronidase activity in inbred mice. *J. Nat. Cancer Inst.* **10**: 1199.
- *Morrow, Patrice L. (Bierman and Jenkins): Effect of ultrasonic vibration on the formed elements of blood from normal and leukemic subjects. *J. Nat. Cancer Inst.* **10**: 843.
- Mosettig, Erich: See Latham, H. George (May and Mosettig).
- Mosley, Vernon M.: See Labaw, L. W. (Mosley and Wyckoff).
- Mostofi, F. K.: See Bennison, B. E. (and Mostofi).
- Mountain, Joseph W.: Multiple screening and specialized programs. *Pub. Health Rep.* **65**: 1359.
- *Mowry, R. W.: Renal alkaline phosphatase in diabetes mellitus: A histochemical study (abstract). *J. Nat. Cancer Inst.* **10**: 1373.
- *Mühlethaler, Kurt: An electron microscopic study of the structure of viscose silk. *Experientia* **6**: 226.
- Mulhern, Thomas D.: See Peters, Richard F. (Thurman, Markos, and Mulhern).
- *Mushkin, Selma J.: Fiscal status of social insurances in the United States. *Pub. Finance* **5**: 369.
- Musselman, A. D.: See Eagle, Harry (Fleischman and Musselman).

N

- *Nadel, Eli M. : Histopathology of estrogen-induced tumors in guinea pigs. *J. Nat. Cancer Inst.* 10: 1043.
- Ness, Robert K. (Fletcher and Hudson) : The reduction of acetylated glycopyranosyl bromides to 1,5-anhydroglycitols with lithium aluminum hydride 1,5-anhydro-L-rhamitol. *J. Am. Chem. Soc.* 72: 4547.
- Newell, John F. (Christenson, Shaykin, Krieger, Moeller, and Ruchhoft) : Laboratory studies on the removal of plutonium from laundry wastes (abstract). *In Abstracts of papers, 118th meeting, American Chemical Society, p. 178.*
- Nicholson, F. P. : *See* Wright, R. D. (Nicholson and Arnold).
- *Nicholson, H. P. (and Vetter) : A lethal trap for capturing small mammals with their ectoparasites. *J. Parasitol.* 36: 235.
- Nolan, M. O. : Laboratory tests on the rapidity of molluscicidal action of copper sulfate in high concentrations. *Pub. Health Rep.* 65: 1481.
——— *See also* Berry, E. G. (Nolan and González).
- Norris, Arthur H. (Shock and Yiengst) : A comparison of cardiovascular responses to tilting and standardized exercise in old and young males (abstract). *J. Gerontol.* 5: 384.
- Norris, F. I. : *See* Ruchhoft, C. C. (Norris and Setter).
- Novack, L. (and Brodie) : Quinoline and its transformation products found in urine. *J. Biol. Chem.* 187: 787.

O

- Oliver, Dorothy S. : *See* Collins, Selwyn D. (Phillips and Oliver).
- Olivier, Louis : Some characteristics of early schistosome infections in mice (abstract). *J. Parasitol.* 36: 13, Supp.
- Olson, Bryon J. : *See* Hanlon, C. Rollins (Scott and Olson) ; Michael, Max, Jr. (Cole, Beeson, and Olson) ; Scott, H. William, Jr. (Hanlon and Olson).
- Ottinger, Barbara : *See* Germuth, Frederick G., Jr. (and Ottinger).
- Oyama, Vance : *See* Germuth, Frederick G., Jr. (Eagle and Oyama).

P

- Palmer, Carroll E. (Ferebee and Petersen) : Studies of pulmonary findings and antigen sensitivity among student nurses. VI. Geographic differences in sensitivity to tuberculin as evidence of nonspecific allergy. *Pub. Health Rep.* 65: 1111.
- Papper, E. M. : *See* Helrich, Martin (Papper, Brodie, Fink, and Rovenstine).
- *Parker, R. R. (de Prada, Bell, Lackman, Gay, and Llorente) : Aislamiento de la *Coziella burnetii* en el *Hyalomma savignyi* y primer caso de fiebre Q humana en Espana (Isolation of the *Coziella burnetii* in the *Hyalomma savignyi* and the first case of Q fever in Spain). *Medicamenta, Madr.* 8: 154.
——— *See also* Lackman, D. B. (Parker and Pickens).
- *Parsons, Elizabeth I. (and Forbisher) : Studies of the somatic antigens of *Corynebacterium diphtheriae*. *Am J. Hyg.* 52: 247.
——— *See also* Forbisher, Martin J., Jr. (and Parsons) ; King, Elizabeth O. (Forbisher and Parsons).
- Patnode, R. A. : *See* Robinson, J. H. (Cummings and Patnode).
- Pearce, George W. (Goette and Spillane) : Insecticidal formulations. *CDC Bull.* 9: 17, Nov.
- Pecora, Louis J. (Ashburn and Hundley) : The influence of rice and purified diets upon the cardiac behavior of thiamine deficient rats. *Proc. Soc. Exper. Biol. and Med.* 74: 721.

- Peirce, E. Converse, II: *See* Bill, A. H. (Peirce and Gross); Southworth, J. L. (McKusick, Peirce, and Rawson).
- Pennell, Maryland Y. (Bain and Hubbard): Child health services in twelve metropolitan districts. *Pub. Health Rep.* 65: 903.
- Perara, George A. (and Plotz): The response to methacholine in rheumatoid arthritis. *Am. J. Med. Sc.* 220: 307.
- Perone, Vernon B.: *See* Fairhall, Lawrence T. (Highman and Perone).
- Perry, Maude E.: *See* Hanchett, Leland J. (and Perry).
- *Peters, Richard F. (Thurman, Markos, and Mulhern): The unfolding program of vector control in California with reference to studies of mosquito biology. *J. Nat. Malaria Soc.* 9: 173.
- *Philip, Cornelius B.: Corrections and addenda to a catalog of Nearctic Tabanidae. *Am. Midland Naturalist* 43: 430.
- Further comments on the nomenclature of the pathogenic Rickettsiae of man (abstract). *In Proc. 5th Internat. Cong. Microbiol.*, p. 226.
- *——— New North American Tabanidae (Diptera). II. Tabaninae; III. Notes on *Tabanus molestus* and related horseflies with a prominent single row of triangles on the abdomen. *Ann. Ent. Soc. America* 43: 115, 240.
- (Hughes, Rao, and Kalra): Studies on "Indian tick typhus" and its relation to other human typhus-like rickettsioses (abstract). *In Proc. 5th Internat. Cong. Microbiol.*, p. 115.
- Phillips, F. Ruth: *See* Collins, Selwyn D. (Phillips and Oliver).
- Pickens, E. G.: *See* Lackman, D. B. (Parker and Pickens).
- Pittman, Margaret: Sensitization of mice to histamine by pertussis vaccine (abstract). *In Proc. 5th Internat. Cong. Microbiol.*, p. 80.
- *See also* Davis, Dorland J. (Pittman and Griffiths).
- Plotz, Charles M.: *See* Perara, George A. (and Plotz).
- Pope, Charlotte: *See* Blum, Harold F. (Pope, Price, and Witmer).
- Pratt, A. W.: *See* Eden, M. (Pratt and Kahler).
- Pratt, James W. (Richtmyer and Hudson): D-gluco-D-*IDO*-heptosan<1,5>B <1,6> from the action of acid on D-gluco-D-*IDO*-heptose (abstract). *In Abstracts of papers, 118th meeting, American Chemical Society*, p. 10R.
- *Prehn, Richmond T.: Note on the lack of progressive growth of metastatic mammary carcinoma transplanted subcutaneously into foreign strains of mice. *J. Nat. Cancer Inst.* 10: 893.
- Price, Judith P.: *See* Blum, Harold F. (Pope, Price, and Witmer).
- Price, Vincent E.: *See* Fu, Shou-Cheng J. (Levintow, Price, and Greenstein); Fu, Shou-Cheng J. (Price and Greenstein).
- Pricer, W. E., Jr.: *See* Kornberg, Arthur (and Pricer).
- Prince, Frank M.: *See* Link, Vernon B. (Longergan and Prince); Link, Vernon B. (and Prince).
- Prior, John A. (Wilce and Palchanis): Geographic distribution of pulmonary calcification among university students in Ohio. *Pub. Health Rep.* 65: 1132.

Q

- Quarterman, Kenneth D.: The status of fly resistance to insecticides in the Savannah area and its implications in the general problem of fly control. *CDC Bull.* 9: 3, Nov.
- Quinby, Griffith E.: Epidemiological appraisal of reported malaria in the United States from 1947 through 1949. *J. Nat. Malaria Soc.* 9: 397.
- *See also* Andrews, Justin M. (Quinby and Langmuir).

R

- Ransom, Sara Elizabeth (and Huebner) : Thermal and chemical resistance of *Coxiella burnetii* (abstract). In Proc. 50th general meeting, Society of American Bacteriologists, p. 91.
- Rausch, Robert L. (and Kuns) : Studies on some North American shrew cestodes. J. Parasitol. 36: 433.
- See also Schiller, Everett L. (and Rausch) ; Van Cleave, Harley J. (and Rausch).
- Rawson, Freeman L., Jr. : See Southworth, J. L. (McKusick, Peirce, and Rawson).
- Reardon, Lucy V. : See Rees, Charles W. (Reardon and Bartgis).
- Reed, Louis S. : See Cronin, John W. (Reed and Baney).
- Rees, Charles W. : Experiments on excystation and growth of *Endamoeba histolytica* and *Endamoeba coli* (abstract). J. Parasitol. 36: 37, Supp.
- Le métabolisme d'*Entamoeba histolytica* et ses relations avec les problèmes de l'amibiase clinique (The metabolism of *Endamoeba histolytica* and its relationship to problems in clinical amoebiasis). Gaz. méd. France 57: 835.
- (Reardon and Bartgis) : The excystation of *Endamoeba histolytica* without bacteria in microcultures. Parasitology 40: 338.
- Reid, James C. (Landefeld and Gray) : Synthesis of histidine-2-C¹⁴ and its distribution in the hepatoma-bearing rat (abstract). In Abstracts of papers, 118th meeting, American Chemical Society, p. 22C.
- Reynolds, William F. : See Gillick, Frederick G. (and Reynolds).
- Rhees, M. C. : See Thornton, Helen (Ellerbrook, Rhees, Stowell, and Lippincott).
- Richeson, Edna M. : See Greenberg, Joseph (and Richeson).
- Richtmyer, Nelson K. (and Hudson) : A direct proof of the equivalence of carbon atoms 1 and 6 in D-mannitol and a new method of correlating certain higher-carbon sugars and alcohols. J. Am. Chem. Soc. 72: 3880.
- (Stewart and Hudson) : The action of *Acetobacter suboxydans* upon L-fucitol and other ω -desoxy sugar alcohols (abstract). In Abstracts of papers, 118th meeting, American Chemical Society, p. 9R.
- L-fuco-4-ketose, a new sugar produced by the action of *Acetobacter suboxydans* on L-fucitol. J. Am. Chem. Soc. 72: 4934.
- See also Fletcher, Hewitt G., Jr. (and Richtmyer) ; Pratt, James W. (Richtmyer and Hudson) ; Zissis, Emmanuel (Richtmyer and Hudson).
- Riley, Vernon : Chromatographic studies on the separation of the virus from chicken tumor I. I. Effect of salt concentration on adsorption, elution, and purification; II. Zoning, purification, and recovery of the agent from the column; III. Titration curve of the agent. J. Nat. Cancer Inst. 11: 199; 215; 229.
- Salt inhibition and enhancement of cytochrome succinic and dopa-oxidase systems of mouse melanomas. Proc. Soc. Exper. Biol. and Med. 75: 644.
- Robinson, J. H. (Cummings and Patnode) : Comparison of two solid media for testing sensitivity to streptomycin. Am. Rec. Tuberc. 62: 484.
- Rogosa, M. (and Mitchell) : The indispensability of magnesium for *Lactobacillus helveticus* and its unavailability in a magnesium azide complex. In Proc. 50th general meeting, Society of American Bacteriologists, p. 130.
- Ross, Helen E. : See Dyer, Helen M. (and Ross) ; Schneider, Walter C. (Hogebloom and Ross).
- Ross, Sister Hilary : Studies of the absorption, excretion, and distribution in the body of the sulfones used in the treatment of leprosy. Internat. J. Leprosy 18: 333.
- Rosza, Georg (Morgan, Szent-Györgyi, and Wyckoff) : The electron microscopy of myelinated nerve. Biochimica et Biophysica Acta 6: 13.

- Rosza, Georg (Morgan, Szent-Györgyi, and Wyckoff) : The electron microscopy of sectioned nerve. *Science* 112: 42.
- Rovenstine, E. W. : *See* Helrich, Martin (Papper, Brodie, Fink, and Rovenstine).
- Ruble, James W. : *See* Law, Frank E. (and Ruble).
- Ruchhoft, C. C. (Norris and Setter) : Activated sludge from common foods for radioactive waste treatment. Laboratory studies (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 16S.
- *See also* Ettinger, M. B. (Ruchhoft and Lishka) ; Ludzack, F. J. (Moore, Krieger, and Ruchhoft) ; Moore, W. Allan (Ludzack and Ruchhoft) ; Newell, John F. (Christenson, Shaykin, Krieger, Moeller, and Ruchhoft).

S

- Salvin, S. B. : Public health aspects of fungus infections. *Ann. New York Acad. Sc.* 50: 1217.
- Quantitative studies on the serologic relationships of fungi. *J. Immunol.* 65: 617.
- Sandstead, Harold R. : *See* Sebrell, W. H. (and Sandstead).
- Sanford, Katherine K. (Earle, Shelton, Schilling, Duchesne, Likely, and Becker) : Production of malignancy in vitro. XII. Further transformations in vitro of mouse fibroblasts to sarcomatous cells. *J. Nat. Cancer Inst.* 11: 351.
- Sargent, Lewis J. (and Small) : On the structure of morphine and its derivative metopon. *Science* 112: 473.
- Structure studies in the morphine series. Degradation of dihydrothebaine to a dimethoxytrialkyltetrahydronaphthalene (abstract). *In* Abstracts of papers, 118th meeting, American Chemical Society, p. 53N.
- Schapiro, Harold : *See* Birren, James E. (Schapiro and Miller).
- Scheele, Leonard A. : Arthritis as a public health problem. *Pub. Health Rep.* 65: 1351.
- A new era in medical research and practice. Editorial. *Am. J. Med.* 9: 1.
- *——— Industrial hygiene. A new frontier in public health and industry. *Modern San.* 2: 19, Feb.
- Opportunities in the teaching of preventive medicine. *J. Assoc. Am. Med. Coll.* 25: 241.
- Progress and problems in national health. *West Virginia Med. J.* 46: 169.
- Regional planning to insure better patient care. *Hosp. Prog.* 31: 258.
- United Nations Day—October 24. Editorial. *Pub. Health Rep.* 65: 1315.
- Schiller, Everett L. (and Rausch) : A vole (*Microtus*) an important natural intermediate host of *Echinococcus granulosus* (abstract). *J. Parasitol.* 36: 30, Supp.
- *Schilling, Edward L. (Earle and Evans) : Use of perforated cellophane substrate in slide preparation tissue cultures. *J. Nat. Cancer Inst.* 10: 883.
- *See also* Earle, Wilton R. (Evans and Schilling) ; Earle, Wilton R. (Schilling and Shelton) ; Earle, Wilton R. (Shelton and Schilling) ; Sanford, Katherine K. (Earle, Shelton, Schilling, Duchesne, Likely, and Becker).
- *Schneider, Walter C. (and Hogeboom) : Intracellular distribution of enzymes. VI. The distribution of succinoxidase and cytochrome oxidase activities in normal mouse liver and in mouse hepatoma. *J. Nat. Cancer Inst.* 10: 969.
- *——— (Hogeboom and Ross) : Intracellular distribution of enzymes. VII. The distribution of nucleic acids and adenosinetriphosphatase in normal mouse liver and mouse hepatoma. *J. Nat. Cancer Inst.* 10: 977.
- *See also* Hogeboom, George H. (and Schneider) ; Kielly, Ruth K. (and Schneider).
- Schneiderman, Marvin (and Brecher) : The relative frequency of sparse cell elements. An application to reticulocyte blood counts. *Biometrics* 6: 390.

- Schneiderman, Marvin. *See also* Brecher, George (and Schneiderman).
- Schneiter, Roy (and Kolb) : The heat resistance of *Bacillus anthracis* spores in physiological saline, hair, and bristles at temperatures ranging from 190 F. to 212 F. (90 C.-100 C.) (abstract). *In Proc. 50th general meetings, Society of American Bacteriologists*, p. 20.
- Schoenbach, Emanuel B. (Goldin and Greenspan) : Studies on the mechanism of action of chemotherapeutic agents in cancer. III. Relationship of genital growth response in mice to the folic acid analogue, 4-amino-pteroylglutamic acid. *Cancer* 3: 864.
- (Greenspan and Colsky) : Reversal of aminopterin and amethopterin toxicity by citrovorum factor. *J. Am. Med. Assoc.* 144: 1558.
- Schrecker, Anthony W. : *See* Hartwell, J. L. (and Schrecker).
- Schubert, Joseph H. (and Herndon) : A study of certain factors affecting the agglutination test for tuberculosis. *Pub. Health Rep.* 65: 883.
- (and Kelley) : The precipitin technique for determining species of host blood in mosquitoes—Modifications and improvements. *J. Nat. Malaria Soc.* 9: 341.
- Scott, David B. (and Wyckoff) : Electron microscopy of human dentin. *J. Dent. Research* 29: 556.
- Scott, H. William, Jr. (Hanlon and Olson) : Experimental tuberculosis. II. Effects of ligation of pulmonary arteries on tuberculosis in monkeys. *J. Thoracic Surg.* 20: 761.
- Sears, Mary A. : The public health nurse in a cancer control program. *Pub. Health Nursing* 42: 384.
- *Sebrell, W. H. : Nutrition and health. *Nutritional Observatory (Heinz Trade J.)* 11: 1.
- *——— Nutrition and public health. *Teaching Scientist* 6: 75.
- *——— (and Sandstead) : Nutrition in public health practice. *In Clinical nutrition* edited by Norman Jolliffe et al. for the Food and Nutrition Board of the National Research Council, New York, Harper Bros., p. 755.
- Sessoms, Stuart N. : *See* Terry, Luther L. (Lewis and Sessoms).
- Setter, L. R. : *See* Ruchhoft, C. C. (Norris and Setter).
- Shafer, Margaret K. : These tests help the hospital to measure nursing quality. *Mod. Hosp.* 75: 63, July.
- Shapiro, Maurice M. (and Yagoda) : Collimated and wide-angle meson groups in a hard-shower star. *Physiol. Rev.* 80: 283.
- Shaw, Frank R. : Epidemic and disaster aid. *CDC Bull.* 9: 28, Nov.
- Shear, M. J. : *See* Greenspan, Ezra M. (Leiter and Shear) ; Leiter, J. (Downing, Hartwell, and Shear).
- Shelton, Emma : *See* Earle, Wilton R. (Schilling and Shelton) ; Earle, Wilton R. (Shelton and Schilling) ; Sanford, Katherine K. (Earle, Shelton, Schilling, Duchesne, Likely, and Becker).
- Shimkin, Michael B. : University of California program in cancer research. *California Med.* 73: 297.
- *——— (and Bierman) ; Blood histamine in leukemia. *Am. J. Med.* 8: 542.
- *See also* Bierman, H. R. (Byron, Miller, and Shimkin) ; Bierman, Howard R. (Cohen, McClelland, and Shimkin) ; Masouredis, S. P. (Low-Ber, Bierman, Cherney, and Shimkin) ; Masouredis, S. P. (Shimkin, McMillan, and Fox) ; Slattery, Paul A. (Lyons and Shimkin).
- Shock, Nathan W. : Age changes in renal function. *Rev. méd. Liege* 5: 649.
- Broadening horizons in gerontology. *In Planning the older years*, edited by W. Donahue and C. Tibbitt, Ann Arbor, Mich., University of Michigan Press, 1950, p. 9.

- Shock, Nathan W.: Physiological manifestations of chronic emotional states. *In* Feelings and emotions; The Mooseheart symposium, edited by M. L. Reymert. New York, McGraw-Hill, 1950, p. 277.
- *See also* Miller, John H. (McDonald and Shock); Norris, Arthur H. (Shock and Yiengst); Soloman, D. H. (and Shock).
- Shore, Parkhurst A.: *See* Andrews, Howard L. (and Shore).
- Siem, R. A.: *See* McLimans, W. F. (Siem, Mark, and Pinska); McLimans, W. F. (Siem and Scholljegerdes).
- Sikes, Robert K.: *See* Chamberlain, Roy W. (and Sikes).
- Simmons, S. W.: *See* Hayes, Wayland J., Jr. (and Simmons).
- Slattery, Paul A. (Lyons and Shimkin): The lack of effect of lactogenic hormone on mammary adenocarcinoma in mice. *Proc. Soc. Exper. Biol. and Med.* **74**: 539.
- Small, Lyndon: *See* Findlay, Stephen P. (and Small); Sargent, Lewis J. (and Small).
- Smith, Kenneth M. (and Wyckoff): Structure within polyhedra associated with insect virus diseases. *Nature* **166**: 861.
- Smith, L. E.: Blood pyruvate levels following intravenous glucose injections in aged males. *Am. J. Med. Sc.* **220**: 78.
- Smyrniotis, P. Z.: *See* Horecker, B. L. (and Smyrniotis).
- Snapper, I. (and Greenspan): Recent advances in the treatment of malignancy. *New York State J. Med.* **50**: 1573.
- Sober, H. A. (Hollander and Sonnenblick): Response of gastric mucous barrier in pouch dogs to repeated topical application of eugenol. *Am. J. Physiol.* **162**: 120.
- *See also* Block, Richard J. (and Sober); Meister, Alton (Sober and Tice).
- Sollner, Karl: Recent advances in the electrochemistry of membranes of porous character with particular reference to membranes of high ionic selectivity. *J. Electrochem. Soc.* **97**: 139C.
- Solomon, D. H. (and Shock): Studies of adrenal cortical and anterior pituitary function in elderly man. *J. Gerontol.* **5**: 302.
- *Southworth, J. L. (McKusick, Peirce, and Rawson): Ventricular fibrillation precipitated by cardiac catheterization; Complete recovery of the patient after 45 minutes. *J. Am. Med. Assoc.* **143**: 717.
- Spangler, C. D. (Clapp and Clark): A field test for efficiency of detergents. *Am. J. Pub. Health* **40**: 1402.
- Specht, Heinz: *See* Marshall, Louise H. (and Specht).
- Spencer, R. R.: Current concepts and approaches to cancer research. *J. Kentucky State Med. Assoc.* **48**: 314.
- *Spicer, S. S.: Species differences in susceptibility to methemoglobin formation. *J. Pharmacol. and Exper. Therap.* **99**: 185.
- *——— (and Wooley): Effect of diet on the reaction of rabbit erythrocytes to nitrite in vitro. *Arch. Biochem.* **27**: 202.
- Spicknall, Charles G. (Kurland, Carle, and Terry): The relationships of brucellosis and multiple sclerosis. *J. Am. Med. Assoc.* **143**: 1470.
- Spillane, Janet T.: *See* Pearce, George W. (Goette and Spillane).
- Steele, J. Murray (Berger, Dunning, and Brodie): Total body water in man. *Am. J. Physiol.* **162**: 313.
- *See also* Berger, E. Y. (Dunning, Steele, Jackenthal, and Brodie).
- Steinman, Harry G. (and Eagle): Nutritional requirements of treponemata. II. Pantothenic acid, glutamine, and phenylalanine as additional growth-promoting factors for the Reiter treponeme. *J. Bact.* **60**: 57.

- Stewart, Harold L.: The administrative aspects of organizing a unit devoted to the study of geographical pathology of cancer. *J. Nat. Cancer Inst.* 11: 661.
- (Kaplan and Bennett): Report of two cases of identical primary tumors involving spinal nerve roots and meninges in strain NHO mice. *J. Nat. Cancer Inst.* 11: 177.
- Stewart, Laura C.: *See* Richtmyer, Nelson K. (Stewart and Hudson).
- Stowell, E. C., Jr.: *See* Thornton, Helen (Ellerbrook, Rhees, Stowell, and Lippincott).
- Striebich, Mary Jo: *See* Dalton, Albert J. (Kahler, Striebich, and Lloyd); Dalton, A. J. (Morris, Striebich, and Dubnik).
- Symeonidis, A.: The application of pathology to the field of cancer demography. *J. Nat. Cancer Inst.* 11: 660.
- Poststarvation gynecomastia and its relation to breast cancer in man. *J. Nat. Cancer Inst.* 11: 656.
- Szent-Györgyi, A.: *See* Rozsa, Georg (Morgan, Szent-Györgyi, and Wyckoff).

T

- Tabor, Elbert C. (and Frankhauser): Detection of diabetes in a nutrition survey. *Pub. Health Rep.* 65: 1330.
- Tauber, Henry: Chymotrypsin inhibition by human serum in health and disease. *Proc. Soc. Exper. Biol. and Med.* 74: 486.
- Taylor, D. Jane (Greenberg, Highman, and Coatney): Experimental infection of guinea pigs with *Endamoeba histolytica*. *Am. J. Trop. Med.* 30: 817.
- *See also* Greenberg, Joseph (and Taylor); Josephson, Edward S. (Taylor, Greenberg, and Ray).
- Taylor, M. W.: *See* Ewing, W. H. (Taylor and Hucks).
- Terry, Luther L. (Lewis and Sessoms): Laboratory infection with *Leishmania donovani*. *Am. J. Trop. Med.* 30: 643.
- *See also* Spicknall, Charles G. (Kurland, Carle, and Terry).
- *Thomas, Edwin B.: Scotomata in conjunction with streptomycin therapy: Report of eleven cases. *Arch. Opth.* 43: 729.
- Thompson, E. T.: Some medical-legal problems and suggestions for their solution. Parts I and II. *Hosp. Management* 70: 98, July; 98, Aug.
- Thompson, Frederick A., Jr. (Greenberg and Magnuson): The relationship between immobilizing and spirocheticidal antibodies against *Treponema pallidum*. *J. Bact.* 60: 473.
- Thornton, Helen (Ellerbrook, Rhees, Stowell, and Lippincott): Complement fixation in animal neoplasia. I. A study of technics for measurement of the reaction in rabbit serum with special reference to the temperature of inactivation. *J. Nat. Cancer Inst.* 11: 97.
- Thurman, Deed C., Jr.: *See* Peters, Richard F. (Thurman, Markos, and Mulhern).
- Thurman, E. B.: *See* Johnson, P. T. (and Thurman).
- Tibbitts, Clark: National conference on aging. *Pub. Health Rep.* 65: 1369.
- Tice, Sarah V.: *See* Meister, Alton (Sober and Tice); Meister, Alton (and Tice).
- Toal, Jane Nicolet (and Daniel): Simple digestion unit with notes on the micro determination of nitrogen by direct nesslerization. *J. Lab. and Clin. Med.* 36: 950.
- Tobie, Eleanor Johnson: *See* von Brand, Theodor (Tobie and Mehlman).
- Tomlinson, T. H., Jr.: *See* Wilcox, Aimee (Tomlinson and Ballard).
- *Topping, Norman: The Federal Government looks at medical research. *Am. J. Trop. Med.* 30: 345.
- *Townsend, J. G.: The Government in industrial health. *Am. J. Pub. Health* 40: 580.

- Trembley, Helen Louise: *See* Greenberg, Joseph (Trembley and Coatney).
 Trimble, Guy H.: What are responsibilities of planners in equipping a hospital?
Hosp. Management 70: 18, July.
 Truitt, E. B., Jr. (McKusick and Krantz): Theophylline blood levels after oral,
 rectal, and intravenous administration and correlation with diuretic action.
J. Pharmacol. and Exper. Therap. 100: 309.
 Tullner, William W.: *See* Allen, Milton J. (Hertz and Tullner).

U

- Udenfriend, Sidney: Identification of 2-aminobutyric acid in brain by the isotope
 derivative method. *J. Biol. Chem.* 187: 65.
 ——— *See also* Brodie, Bernard B. (and Udenfriend).
 Upholt, William M.: The newer economic poisons of use in disease control.
CDC Bull. 9: 7, Nov.
 Usilton, Lida J.: *See* Gray, A. L. (Usilton and Iskrant).

V

- Van Allen, Willard: Protecting photofluorographic personnel from excessive radi-
 ation. *Pub. Health Rep.* 65: 865.
 Van Bogaert, Ludo (and Innes): Cerebellar disorders in lambs. A study in
 animal neuropathology with some comments on ovine neuroanatomy. *Arch.*
Path. 50: 36.
 *Van Cleave, Harley J. (and Rausch): A new species of the Acanthocephalan
 genus *Arythmorhynchus* from sandpipers of Alaska. *J. Parasitol.* 36: 278.
 Vetter, M. H.: *See* Nicholson, H. P. (and Vetter).
 von Brand, Theodor: The respiration of trypanosome-infected rats (abstract).
J. Parasitol. 36: 41, Supp.
 *——— (Baernstein and Mehlman): Studies on the anaerobic metabolism and
 the aerobic carbohydrate consumption of some fresh water snails. *Biol. Bull.*
 98: 266.
 *——— (Tobie and Mehlman): The influence of some sulfhydryl inhibitors and
 of fluoroacetate on the oxygen consumption of some trypanosomes. *J. Cell. and*
Comp. Physiol. 35: 273.

W

- Waalkes, T. Phillip (Fones and White): New synthesis of L-amino adipic acid.
J. Am. Chem. Soc. 72: 5760.
 ——— *See* Fones, William S. (Waalkes and White).
 *Wagner, Carruth J.: Anal fistulectomy. *Arch. Surg.* 60: 1056.
 ——— A method of treatment of Bennett's fracture dislocation. *Am. J. Surg.*
 80: 230.
 Wang, Theodore J.: Cavity ionization chamber for the measurement of absorbed
 X-radiation energy. *Neucleonics* 7: 55, Aug.
 Ward, Thomas G. (and Eddy): An antigenically distinct subtype of influenza
 virus A which is virulent for mice in primary passage of allantoic fluid. *Science*
 112: 501.
 Wattie, Elsie: *See* Butterfield, C. T. (Wattie and Chambers).
 Waxler, S. H. (and Brecher): Obesity and food requirements in mice following
 administration of goldthioglucose. *Am. J. Physiol.* 162: 428.
 Weiner, Murray (Shapiro, Axelrod, Cooper, and Brodie): The physiological dis-
 position of Dicumarol in man. *J. Pharmacol. and Exper. Therap.* 99: 409.
 Weisberger, Elizabeth K.: *See* Morris, Harold P. (Weisberger and Weisberger).

- Weisberger, John H. : *See* Morris, Harold P. (Weisberger and Weisberger).
- West, Mary G. : *See* Edwards, P. R. (and West).
- Westfall, Benton B. : *See* Morris, Harold P. (and Westfall).
- Wharton, G. W. : *See* Brennan, James M. (and Wharton).
- White, Carl L. : *See* Bryan, W. Ray (Maver, Moloney, Wood and White).
- White, Julius : *See* Berenbom, M. (and White) ; Fones, William S. (Waalkes and White) ; Fones, William S. (and White) ; Greenstein, Jesse P. (Levintow, Baker, and White) ; Waalkes, T. Phillip (Fones and White).
- White, Weldon C. : *See* Coatney, G. Robert (Cooper, Culwell, White, and Imboden) ; Coatney, G. Robert (Cooper, Eyles, Culwell, White, and Lints).
- *Whitehead, Roy E. : Mesothelioma of the pleura. *Dis. of Chest* 17: 569.
- Wikler, Abraham : Adaptive behavior in long-surviving dogs without neocortex. *Arch. Neurol. and Psychiat.* 64: 29.
- Sites and mechanisms of action of morphine and related drugs in the central nervous system. *J. Pharmacol. and Exper. Therap.* 2: 435.
- Wilcox, Aimee (Tomlinson and Ballard) : A morphological alteration in *Plasmodium gallinaceum*. *J. Nat. Malaria Soc.* 9: 249.
- Wiprud, Theodore (and Altman) : Cost of hospitalized acute illness. *J. Am. Med. Assoc.* 144: 835.
- Witmer, Ralph : *See* Blum, Harold F. (Pope, Price, and Witmer).
- Wittman, Milton : The training program in psychiatric social work under the National Mental Health Act. *Soc. Work J.* 31: 122.
- Woke, Paul : *See* Jacobs, Leon (Woke and Jones).
- Wood, Marguerite T. : *See* Bryan, W. Ray (Maver, Moloney, Wood, and White).
- Wooley, Jerald G. : *See* Spicer, S. S. (and Wooley).
- Wright, R. D. (and Liberti) : "The Ever-Handy Clinic"—A new visual aid for students. *J. Ven. Dis. Inform.* 31: 316.
- (Nicholson and Arnold) : Treatment of early syphilis with three injections of penicillin and with one injection of penicillin. II. *J. Ven. Dis. Inform.* 31: 235.
- *See also* Arnold, R. C. (Wright and Levitan) ; Arnold, R. C. (Wright and McLeod).
- Wright, Willard H. : Bilharziasis as a public health problem in the Pacific. *WHO Bull.* 2: 581.
- *—— Introductory remarks for symposium on the physiology of parasites. *J. Parasitol.* 36: 175.
- Wyckoff, Ralph W. G. : The electron microscopic study of virus growth. *In* The pathogenesis and pathology of viral diseases. A symposium held at the New York Academy of Medicine by the Section on Microbiology and Pathology, December 14-15, 1948. Symposia No. 3 edited by John G. Kidd, New York, Columbia University Press, p. 62.
- *See also* Eddy, Bernice E. (and Wyckoff) ; Labaw, Louis M. (Mosley and Wyckoff) ; Morgan, P. Councilman (and Wyckoff) ; Rozsa, Georg (Morgan, Szent-Geörgyi, and Wyckoff) ; Scott, David B. (and Wyckoff) ; Smith, Kenneth M. (and Wyckoff).

Y

- Yagoda, Herman : Cascade processes recorded in an emulsion chamber exposed in the stratosphere. *Physiol. Rev.* 80: 753.
- *See also* Shapiro, Maurice M. (and Yagoda).
- Yiengst, Marvin J. : A new hemolytic agent for the manometric determination of the oxygen content of blood. *Science* 112: 205.
- *See also* Norris, Arthur H. (Shock and Yiengst).

Young, Martin D.: *See* Burgess, Robert W. (and Young); Coatney, G. Robert (Cooper and Young); Cooper, W. Clark (Coatney, Culwell, Eyles, and Young); Edgcomb, John H. (Arnold, Yount, Alving, Eichelberger, Jeffery, Eyles, and Young); Eyles, Don E. (and Young); Hunninen, Arne V. (Young and Burgess); Jeffery, Geoffrey (Eyles and Young); McLendon, Sol B. (and Young).

Z

Zander, Helmut A.: *See* Fitzgerald, Robert J. (Zander and Jordan).

Zipkin, I. (and Peiz): The citric acid content of human teeth. *J. Am. Dent. Assoc.* 29: 498.

Zissis, Emmanuel (Richtmyer and Hudson): A definitive proof that "alpha-fucohexose" is 7-desoxy-L-gala-D-manno-heptose. *J. Am. Chem. Assoc.* 72: 3882.



Public Health Reports

VOLUME 65

JULY 7, 1950

NUMBER 27

TUBERCULOSIS CONTROL ISSUE NO. 53

IN THIS ISSUE

Survival of Tubercle Bacilli in Sewage, I

Role of the Nurse in Research

Protection of Photofluorographic Personnel



FEDERAL SECURITY AGENCY

PUBLIC HEALTH SERVICE

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UNITED STATES GOVERNMENT PRINTING OFFICE WASHINGTON, D. C. : 1950

For sale by the Superintendent of Documents, United States Government Printing Office, Washington 25, D. C. Price 10 cents. Subscription price \$4.00 a year.