

AD-784 371

REPRINT ACCESSION LIST 1973

Naval Medical Research Unit No. 3  
FPO New York 09527

January 1974

DISTRIBUTED BY:

**NTIS**

National Technical Information Service  
U. S. DEPARTMENT OF COMMERCE  
5285 Port Royal Road, Springfield Va. 22151

AD784371

# NAMRU-3

①

## REPRINT ACCESSION LIST 1973 ✓

*See*

No. 4

January 1974



DDC  
RECEIVED  
SEP 01 1973  
F

Reproduced by  
NATIONAL TECHNICAL  
INFORMATION SERVICE  
U S Department of Commerce  
Springfield VA 22151

U. S. NAVAL MEDICAL RESEARCH UNIT No. 3  
(CAIRO, ARAB REPUBLIC OF EGYPT)  
FPO NEW YORK 09527

DISTRIBUTION STATEMENT A  
Approved for public release;  
Distribution Unlimited

AD-784371

UNITED STATES  
NAVAL MEDICAL RESEARCH UNIT NO.3  
(CAIRO, EGYPT)  
FPO, NEW YORK 09527

SCIENTIFIC PUBLICATION LIST

1 9 7 3

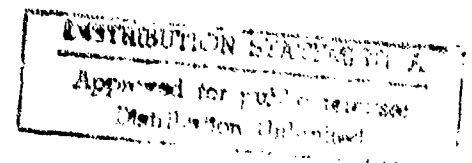
JANUARY 1974

Research Publication Section

NAMRU-3

1<

Reproduced by  
NATIONAL TECHNICAL  
INFORMATION SERVICE  
U S Department of Commerce  
Springfield VA 22151



## I N T R O D U C T I O N

This volume contains citations of 74 technical/scientific articles published by scientists associated with the Department of the Navy, U.S. Naval Medical Research Unit No.3, Cairo, Egypt. The citation of Technical/Scientific articles are listed by reprint number and cross-indexed by subject and author.

This publication may be released to the general public. Additional copies of the Reprint Accession List and the listed reprints may be obtained from the Research Publication Section, U.S. Naval Medical Research Unit No.3, Fleet Post Office, New York, New York, 09527

SCIENTIFIC PUBLICATION LIST

1 9 7 3

Accession  
No.

- 886 LEWIS, R.E.: Ctenophyllus (Geusibia) triangularis Sp.N. from Nepal, and Discussion of the Subgenera of Ctenophyllus (Siphonaptera: Leptopsyllidae). J. Parasit. 58(4):832-835, 1972
- 887 BOCTOR, F.N.: Hematin Interference with Lowry Protein Determination. Analyt. Biochem. 50(2):500-502, 1972
- 888 HAJJAR, N.P.: Biochemical and Physiological Studies of Certain Ticks (Ixodoidea). Fatty Acid Composition of Lipids and Free Fatty Acid Fractions of Hemolymph and Gut and Molting Fluids of Nymphal and Female Hyalomma (H.) dromedarii Koch and H. (H.) anatolicum excavatum Koch (Ixodidae). J. Med. Ent. 9(6):551-557, 1972
- 889 BASSILY, S., FARID, Z., LEHMAN, J.S., Jr., AYAD, N., SIPPEL, J.: Treatment of Chronic Urinary Salmonella Carriers with Trimethoprim-Sulphamethoxazole. J. Trop. Med. Hyg. 75:227-229, 1972
- 890 HOOGSTRAAL, H., LIM, B.L., NADCHATRAM, M. and ANASTOS, G.: The Gunong Benom Expedition 1967. 8. Ticks (Ixodidae) of Gunong Benom and their Altitudinal Distribution, Hosts and Medical Relationships. Bull. Br. Mus. (Nat. Hist.) Zool. 23(7):167-186, 1972
- 891 SAITO, Y. and HOOGSTRAAL, H.: Haemaphysalis (Kaiseriana) yeni Toumanoff (Ixodoidea: Ixodidae): Discovery in Japan, Description of Female and Immature Stages, Environment, and Life Cycle. J. Parasit. 58(5):950-959, 1972

Accession  
No.

- 892 HOOGSTRAAL, H. and EL KAMMAH, K.: Notes on African Haemaphysalis Ticks. X. H. (Kaiseriana) aciculifer Warburton and H. (K.) rugosa Santos Dias, The African Representatives of the Spinigera Subgroup (Ixodoidea: Ixodidae). J. Parasit. 58(5):960-978, 1972
- 893 HOOGSTRAAL, H.: Notes on African Haemaphysalis Ticks. IX. H. (Rhipistoma) pedetes, sp.n., A Relict Parasite of the Springhare (Rodentia: Pedetidae) in Transvaal (Ixodoidea: Ixodidae). J. Parasit. 58(5):979-983, 1972
- 894 BASSAL, T.T.M. and HEFNAWY, T.: Biochemical and Physiological Studies of Certain Ticks (Ixodoidea). The Effect of Unfed Female Weight on Feeding and Oviposition of Hyalomma (H.) dromedarii Koch (Ixodidae). J. Parasit. 58(5):984-988, 1972
- 895 HOOGSTRAAL, H., GABER, S., VAN PEENEN, P.F.D., DUNCAN, J.F., and KADARSAN, S.: Haemaphysalis (Rhipistoma) bartelsi Schulze (Ixodoidea: Ixodidae): Immature Stages from a Treehole Nest of the Indonesian Red Giant Flying Squirrel. J. Parasit. 58(5):989-992, 1972
- 896 HAJJAR, N.P.: Biochemical and Physiological Studies of Certain Ticks (Ixodoidea). Relationships Between Weight and Molting of Argas and Hyalomma Nymphs. J. Parasit. 58(5):1022-1024, 1972
- 897 HANNA, L.S., GIRGIS, N.I., S'PPEL, J.S., VASSIN, M.W. and HATHOUT, S.: Meningococcal Conjunctivitis. Report of a Case. J. Egypt. Publ. Hlth Ass. 47(5):328-332, 1972
- 898 FARID, Z., HIGASHI, G.I., BASSILY, S., YOUNG, S.W. and SPARKS, H.A.: Chronic Salmonellosis, Urinary Schistosomiasis, and Massive Proteinuria. Am. J. Trop. Med. Hyg. 21(5):578-581, 1972
- 899 WILLIAMS, R.E., CASALS, J., MOUSSA, M.I. and HOOGSTRAAL, H.: Royal Farm Virus: A New Tickborne Group B Agent Related to the RSSE Complex. Am. J. Trop. Med. Hyg. 21(5):582-586, 1972

Accession  
No.

- 900 BURGDORFER, W., ORMSBEE, R.A. and HOOGSTRAAL, H.: Ticks as Vectors of Rickettsia prowazeki - A Controversial Issue. Am. J. Trop. Med. Hyg. 21(6):989-998, 1972
- 901 HEFNAWY, T.: Biochemical and Physiological Studies of Certain Ticks (Ixodoidea). Osmotic Pressure of Hemolymph and Gut and Coxal Fluids During the Gonotrophic Cycle of Argas (Persicargas) persicus (Oken) and A. (P.) arboreus Kaiser, Hoogstraal, and Kohls (Argasidae). J. Parasit. 58(6):1197-1200, 1972
- 902 CAMICAS, J-L, HOOGSTRAAL, H., and EL KAMMAH, K M.: Notes on African Haemaphysalis Ticks. VIII. H. (Rhipistoma) moreli sp.n., A Carnivore Parasite of the H. (R.) leachi Group (Ixodoidea: Ixodidae). J. Parasit. 58(6): 1185-1195, 1972
- 903 CHEEVER, A.W.: Pipe-stem Fibrosis of the Liver. Trans. R. Soc. Trop. Med. Hyg. 66(6):946-948, 1972
- 904 KHALIL, G.M.: Linguatula serrata (Pentastomida) Parasitizing Humans and Animals in Egypt, Neighbouring Countries, and Elsewhere: A Review. J. Egypt. Publ. Hlth Ass. 47(6):363-369, 1972
- 905 HOOGSTRAAL, H.: The Influence of Human Activity on Tick Distribution, Density, and Diseases. Wiadomosci Parazytologiczne, T. XVIII, Nr. 4-5-6. 501-511, 1972
- 906 HOOGSTRAAL, H.: Birds as Tick Hosts and as Reservoirs and Disseminators of Tickborne Infectious Agents. SEKCJA III. EKOLOGIA, BIONOMIA, FAUNISTYKA, TAKSONOMIA, Wiadomosci Parazytologiczne, XVIII, Nr. 4-5-6, 703-706, 1972
- 907 YAMEL, K., EL-WAHS, E., and SEDKY, E.: An Unusual Case of Thrombopathy with Giant Platelets Causing a Moderate Bleeding Disorder. Proc. VII Cong. Wld. Fed. Haemophilia, May 17-20, 1971, Tehran. Excerpta Medica, Amsterdam. 285-287.

Accession  
No.

- 908 HOOGSTRAAL, H.: Parasites of endothermal Laboratory Animals. Ticks. Chap. 14, p.398-424, in Dis. of Laboratory Animals. (Flynn, R.J., ed.). Univ. Iowa Press, Ames, 1973
- 909 HOOGSTRAAL, H. and KAISER, M.N.: Observations on the Subgenus Argas (Ixodoidea: Argasidae, Argas). 7. A. (A.) himalayensis, New Species, Parasitizing the Snow Partridge, Lerwa lerwa, in Nepal. Ann. Ent. Soc. Am. 66(1):1-3, 1973
- 910 WASLIEN, C.I., FARID, Z., DARBY, W.J.: The Malnutrition of Parasitism in Egypt. S. Med. J. 66(1):47-50, 1973
- 911 HAMDY, B.H.: Biochemical and Physiological Studies of Certain Ticks (Ixodoidea). Cycle of Nitrogenous Excretion in Argas (Persicargas) arboreus Kaiser, Hoogstraal & Kohls (Argasidae). J. Med. Ent. 10(1):53-57, 1973
- 912 KAISER, M.N., HOOGSTRAAL, H.: Bat Ticks of the Genus Argas (Ixodoidea: Argasidae). 9. A. (Carios) daviesi, New Species, from Western Australia. Ann. Ent. Soc. Am. 66(2):423-428, 1973
- 913 MIKHAIL, M.M., PATWARDHAN, v.N., WASLIEN, C.I.: Plasma and Red Blood Cell Amino Acids of Egyptian Children Suffering from Protein-Calorie Malnutrition. Am. J. Clin. Nutr. 26:387-392, 1973
- 914 KEIRANS, J.E., HOOGSTRAAL, H., CLIFFORD, C.M.: The Amblyomma (Acarina: Ixodidae) Parasitic on Giant Tortoises (Reptilia: Testudinidae) of the Galapagos Islands. Ann. Ent. Soc. Am. 66(3):673-688, 1973
- 915 FARID, Z., SPARKS, H.A., AND HASSAN, A.: Treatment of Salmonella Paratyphi A Osteomyelitis with Trimethoprim-Sulphamethoxazole. Trop. Med. Hyg. 16:91-93, 1973
- 916 BASSAL, T.T.M.: Detection on Silicic Acid Chromatograms of Trehalose and Other Sugars in Arthropod Fluids. J. Med. Ent. 10(2):228, 1973



Accession  
No.

- 917 HOOGSTRAAL, H., CLIFFORD, C.M., SAITO, Y.,  
and KEIRANS, J.E.: Ixodes (Partipalpigier)  
ovatus Neumann, Subgen. Nov.: Identity,  
Hosts, Ecology, and Distribution (Ixodoidea:  
Ixodidae). J. Med. Ent. 10(2):157-164,  
1973
- 918 HAAS, G.E., TOMICH, P.Q.: The Fleas (Siphonaptera)  
of Egypt. Early Records From Mammals. J.  
Egypt. Publ. Hlth Ass. 48(1 & 2):1-17, 1973
- 919 HOOGSTRAAL, H., CLIFFORD, C.M. and KEIRANS, J.E.:  
Argas (Microargas) transversus (Ixodoidea:  
Argasidae) of Galapagos Giant Tortoises:  
Description of the Female and Nymph. Ann.  
Ent. Soc. Am. 66(4):727-732, 1973
- 920 FARID, Z., BASSILY, S., YOUNG, S., EL MASRY, N.A.  
and HASSAN, A.: Treatment with hycanthone of  
Egyptian farmers infected with Schistosoma  
haematobium and S. mansoni. Ann. Trop. Med.  
Parasit. 67(2):233-236, 1973
- 921 BASSILY, S., FARID, Z., YOUNG, S.W., QUINN, R.:  
Conjunctivitis and Pellagra-Like Rash Asso-  
ciated with Ambilhar Treatment. Trans. Soc.  
Trop. Med. Hyg. 67(2):312, 1973
- 922 FRESH, J.W., GIRGIS, N.I., YASSIN, M.W. and  
LEWIS, J.H.: Coagulation Studies in  
Neisseria meningitidis Group A Meningitis  
in Egypt. Thrombosis Research. 3:67-74, 1973
- 923 HOOGSTRAAL, H.: Redescription of the type  
material of Haemaphysalis (Aboimisisalis)  
cinnabarina (Revalidated) and its Junior  
Synonym H. (A.) sanguinolenta Described by  
Koch in 1844 from Brazil (Ixodoidea: Ixodidae).  
J. Parasit. 59(2):379-383, 1973
- 924 MCDADE, J.E., ZAKLAMA, N.S., INAM, I.Z.E., WANEES, M.:  
Serological Survey for Q Fever in Egyptian  
Domestic Animals. J. Egypt. Publ. Hlth Ass.  
48(1 & 2):101-108, 1973

Accession  
No.

- 925 MANSOUR, N.S.: Schistosoma mansoni and Schistosoma haematobium Natural Infection in the Nile-Rat, Arvicanthis n. niloticus from an Endemic Area in Egypt. J. Egypt. Publ. Hlth Ass. 48(1 & 2):94-100, 1973
- 926 YOUNG, S.W., FARID, Z.: Urinary Osmolality and Acid Excretion in Schistosomal Uropathy. Ann. Int. Med. 79(2):275, 1973
- 927 ROSHDY, M.A., HEFNAWY, T.: The Functional Morphology of Haemaphysalis Spiracles (Ixodoidea: Ixodidae). Z. Parasitenk. 42:1-10, 1973
- 928 KHALIL, G.M.: Linguatula serrata from Mongrel Dogs in El-Dakhla Oasis (Egypt). J. Parasit. 59(2):288, 1973
- 929 EL KAMMAH, K.M.: Studies of Autogeny in Phlebotomus papatasi (Scopoli) (Diptera:Psychodidae). J. Med. Ent. 10(3):261-263, 1973
- 930 FARID, Z., BASSILY, S., AYAD, N., SPARKS, H.A., HASSAN, A.: Treatment of Egyptian Children Infected with Schistosoma mansoni with Niridazole. J. Egypt. Med. Ass. 56(4-5):358-362, 1973
- 931 WILLIAMS, R.E., HOOGSTRAAL, H., CASALS, J., KAISER, M.N., MOUSSA, M.I.: Isolation of Wairoa, Thogoto, and Dhori Viruses from Hyalomma Ticks Infesting Camels in Egypt. J. Med. Ent. 10(2):143-146, 1973
- 932 TATCHEL, R.J., KERR, J.D., BOCTOR, F.N.: Biochemical and physiological Studies of Certain Ticks (Ixodoidea). Haemolysis Rate and Meal Size in the Interactions Between Argas (Persicargas) arboreus Kaiser, Hoogstraal and Kohls, A. (P.) persicus (Oken) (Argasidae) and Some Avian Hosts. Parasitology. 67:41-51, 1973
- 933 LEWIS, R.E.: New Species of Palaeopsylla Wagner, 1903, from Nepal, with a Discussion of the Remota Species Group (Siphonaptera: Hystri-chopsyllidae). J. Parasit. 59(1):187-197, 1973

Accession  
No.

- 934 HOOGSTRAAL, H., CARNEY, W.P., KADARSAN, S.  
VAN PEENEN, P.F.D.: Haemaphysalis  
(Kaiseriana) celebensis Hoogstraal,  
Trapido, and Kohls (Ixodoidea: Ixodidae),  
A Wallacean Member of the Hystericis  
Group: Identity, Distribution, Hosts and  
Ecology. J. Parasit. 59(3):556-562, 1973
- 935 CAMICAS, J.L., HOOGSTRAAL, H., EL KAMMAH, K.M.:  
Notes on African Haemaphysalis Ticks.  
XI. H. (Rhipistoma) punctaleachi sp. n.  
A Parasite of West African Forest Carnivores  
(Ixodoidea: Ixodidae). J. Parasit. 59(3):  
563-568, 1973
- 936 ROSHDY, M.A., SHOUKREY, N.M., and COONS, L.B.:  
The Subgenus Persicargas (Ixodoidea:  
Argasidae: Argas). 17. A Neurohemal  
Organ in A. (P.) arboreus Kaiser, Hoogstraal,  
and Kohls. J. Parasit. 59(3):540-544, 1973
- 937 GIRGIS, N.I., MANSOUR, N.S., and HENRY, W.:  
Effect of Hycanthone on Different Developmental  
Stages of Schistosoma mansoni Worms in  
Hamsters. East Afr. Med. J. 50(2):105-108, 1973
- 938 YOUNG, S.W., FARID, Z., BASSILY, S. and EL MASRY,  
N.A.: Urinary Schistosomiasis: A-5-Year  
Clinical, Radiological, and Functional Evaluation  
Trans. R. Soc. Trop. Med. Hyg. 67(3):379-383, 1973
- 939 YOUNG, S.W., FARID, Z., BASSILY, S., EL MASRY, N.A.:  
Urinary Schistosomiasis in Egypt: Further  
Radiological Correlations. Trans. R. Soc. Trop.  
Med. Hyg. 67(3):417, 1973
- 940 FARID, Z., BASSILY, S., YOUNG, S.W., HASSAN, A.:  
Tetramisole in the Treatment of Ancylostoma  
duodenale and Ascaris lumbricoides infections  
in Egyptian Farmers. Trans. R. Soc. Trop. Med.  
Hyg. 67(3):425-426, 1973
- 941 HANNA, L.S., GIRGIS, N.I., HASSAN, A., and SAFWAT, M.:  
Retrolbulbar Neuritis during Ethambutol Therapy.  
Egypt. J. Chest Dis. Tubercul. 16(2):229-232, 1973

Accession  
No.

- 942 BASSILY, S., FARID, Z., SAIED, M.I., ISKANDER, F., MAHRAN, Y. and MOUSSA, M.I.: Serum Immunoglobulin Levels in Different Stages of S. mansoni Infection and the Effect of Therapy on these Levels. J. Egypt. Med. Ass. 56(6): 433-439, 1973
- 943 MANSOUR, N.S.: Schistosoma mansoni and S. haematobium Found as a Natural Double Infection in the Nile Rat, Arvicanthis n. niloticus, from a Human Endemic Area in Egypt. J. Parasit. 59(3):424, 1973
- 944 YASSIN, M.W., GIRGIS, N.I., SIPPEL, J.E., SPARKS, H.A., HASSAN, A., HATHOUT, S., ABU EL EIA, H.A.: Ampicillin alone Compared to triple Drug Therapy in the Treatment of Group A meningococcal meningitis. J. Egypt. Med. Ass. 56(7-8): 546-550, 1973
- 945 BOTROS, B.A.M., MOCH, R.W., BARSOUM, I.S.: Toxoplasmosis in Egypt: Isolation of Toxoplasma gondii from a pig. J. Trop. Med. Hyg. 76: 259-261, 1973
- 946 HOOGSTRAAL, H., and KAISER, M.N.: The Subgenus Persicargas (Ixodoidea: Argasidae: Argas). Tb. A. (P.) nullarborensis, New Species, from Western Australia. Ann. Ent. Soc. Am. 66(6): 1296-1298, 1973
- 947 COONS, L.B., ROSHDY, M.A.: Fine Structure of the Salivary Glands of Unfed Male Dermacentor variabilis (Say) (Ixodoidea: Ixodidae). J. Parasit. 59(5):900-912, 1973
- 948 BURGDORFER, W., SCHMIDT, M.L., HOOGSTRAAL, H.: Detection of Trypanosoma theileri in Ethiopian Cattle Ticks. Acta Trop. (Separatum) 30(4): 340-346, 1973
- 945 HARTZ, J., EL MAGHRABI, R., NAMEN, A., GABR, M., BOWMAN, J., CARSON, P., AJNAR, F., KAMEL, K.: Enzyme Studies in Glucose-6-Phosphate Dehydrogenase Deficient erythrocytes from Egyptians, Italians, and American Negroes (Pyrophosphatase, 6-Phosphogluconate Dehydrogenase, Glutamic-Oxalacetic Transaminase, Acid Phosphatase, Catalase and Superoxide Dismutase Assays). Clin. Chim. Acta. 48:117-126, 1973

Accession  
No.

- 950 HOOGSTRAAL, H.: Acarina (Ticks). In Viruses and Invertebrates. Chap.5, p.90-103, 1973 (Gibbs, A.J., ed.) North Holland Publishing Company, Amsterdam.
- 951 HOOGSTRAAL, H.: Viruses and Ticks. In Viruses and Invertebrates. Chap.18, p.349-390, 1973 (Gibbs, A.J. ed.). North Holland Publishing Company, Amsterdam.
- 952 ASH, J.S.: Charadriiform Birds in the Ethiopian Rift Valley. Walia. 4:14-18, 1972
- 953 ARMSTRONG, J.C.: Evaluation of the Results of an Indirect Hemagglutination Test for Malaria in an Ethiopian Population. Proc. Helminth. Soc. Wash. 39:545-553, 1972
- 954 ASH, J.S.: Luscinia megarynchos and L.luscinia in Ethiopia. Ibis. 115:267-269, 1973
- 955 DODGE, R.W.: Culture of Ethiopian Strains of Borrelia recurrentis. Appl. Microbiol. 25(6): 935-939, 1973
- 956 TEN EYCK, D.R.: Comparison of Biopsy and Fluorescent Antibody Staining Techniques for the Detection and Study of Onchocerciasis in an Ethiopian Population. Am. J. Epidem. 98(4): 283-288, 1973
- 957 DODGE, R.W.: Human Serological Response to Louse-Borne Relapsing Fever. Infect. Immun. 8(6): 891-895, 1973
- 958 McCONNEL, E. AND SCHMIDT, M.L.: Bancroftian Filariasis in Gambela, Illubabor Province, Ethiopia. Trop. Geogr. Med. 25:300-303, 1973
- 959 TEN EYCK, D.R.: Onchocerca volvulus and Wuchereria bancrofti: Fluorescent Antibody Staining of Frozen Homologous Sections for Diagnosis. Expl. Parasit. 34(1):154-161, 1973

SUBJECT INDEX

<u>ACAROLOGY</u>	<u>Accession Number</u>
African ticks	892, 893, 900, 902, 935
Asian ticks	<del>886</del> , 890, 891, 909
Australian ticks	912, 946
<u>Acarina ticks</u>	950
<u>Argas (Argas) himalayensis</u>	909
<u>A. (Carios) daviesi</u>	912
<u>A. (Microargas) transversus</u>	919
<u>A. (Persicargas) arboreus</u>	901, 911, 932, 936
<u>A. (P.) nullarborensis</u>	946
<u>A. (P.) persicus</u>	901, 932
<u>Argas biochemistry and physiology</u>	896, 901, 911, 932
<u>Argas structure:</u>	936
<u>Argas virology</u>	899
<u>Amblyomma (Acarina: Ixodoidea)</u>	914
Bat ticks	912
Biochemical and Physiological studies of ticks	888, 894, 896, 901, 911, 932
<u>Dermacentor variabilis</u>	947
<u>Ixodes (Partipalpiger) ovatus</u>	917
<u>Haemaphysalis spiracles</u>	927
<u>Haemaphysalis ticks</u>	892, 893, 902, 935
<u>H. (Aboimialis) cinnabarina</u>	923
<u>H. (A.) sanguinolenta</u>	923
<u>H. (Kaiseriana) aciculifer</u>	892
<u>H. (K.) celebensis</u>	934
<u>H. (K.) rugosa</u>	892
<u>H. (K.) yeni</u>	891
<u>H. (Rhipistoma) bartelsi</u>	895
<u>H. (R.) leachi</u>	902
<u>H. (R.) moreli</u>	902
<u>H. (R.) pedetes</u>	893
<u>H. (R.) punctaleachi</u>	935
<u>Hyalomma biochemistry and physiology</u>	894, 896
<u>Hyalomma virology</u>	931
<u>H. (H.) anatolicum excavatum</u>	888
<u>H. (H.) dromedarii</u>	888, 894
<u>Persicargas (Ixodoidea: Argasidae: Argas)</u>	936, 946
Altitudinal, distribution, hosts and medical relationships	890
Arthropods fluids	916
Influence of human activity on ticks	905

AcarologyAccession Number

Royal farm virus	899
Ticks	908
Ticks, distribution, density and diseases	905, 917
Ticks as vectors of <u>Rickettsia prowazeki</u>	900, 948
Tickborne infectious agents	906
Tickborne group B agent	899
Ticks from giant tortoises	914
Viruses and ticks	951

BACTERIOLOGY

Chronic Salmonellosis	898
<u>Borrelia recurrentis</u>	955
<u>Meningococcal conjunctivitis</u>	897
<u>Meningococcal meningitis</u>	944
<u>Neisseria meningitidis</u> group A	922
<u>Salmonella paratyphi</u> A Osteomyelitis	915
<u>Rickettsia prowazeki</u>	900
Urinary Salmonella carriers	889

BIOCHEMISTRY

Biochemical and Physiological Studies of ticks	888, 894, 896, 901, 911, 932
Cycle of nitrogenous excretion	911
Culture of Ethiopian strains	955
Detection on silicic acid chromatograms	916
Effect of Hycanthone	937
Enzyme studies	949
Fatty acid composition of lipids	888
Free fatty acid fractions of Hemolymph	888
Hematin interference with Lowry protein determination	887
Glucose-6-phosphate dehydrogenase deficient erythrocytes	949
Massive proteinuria	898
Plasma and red blood cell amino acids	913
Trehalose and other sugars in arthropod fluids	916

CHEMISTRYAccession Number

Ampicillin compared to drug therapy	944
Antibody staining technique	956
Culture of Ethiopian strains	955
Detection on silicic acid chromograms	916
Hematin interference	913
Indirect hemagglutination test	953
Lowry protein determination	913
Trehalose and other sugars	916

CHEMOTHERAPY

Ambilhar treatment	921
Ampicillin compared to triple drug therapy	944
<u>Ancylostoma duodenale</u> with Tetramisole	940
<u>Ascaris lumbricoides</u> with Tetramisole	940
Conjunctivitis and Pellagra-like rash	953
Ethambutal therapy	941
Meningococcal conjunctivitis	897
<u>Schistosoma haematobium</u> with Hycanthon	920
<u>Schistosoma mansoni</u> with Hycanthon	920, 937
<u>Schistosoma mansoni</u> with Niridazole	930
Urinary Salmonella	889
Urinary Schistosomiasis	938, 939

CLINICAL

Ampicillin alone compared to triple drug therapy	944
Comparison of biopsy	956
Effect of Hycanthon	937
Fluorescent antibody staining technique	956, 959
Louseborne relapsing fever	957

ENTOMOLOGY

Bancroftian Filariasis in Gambia	958
<u>Ctenophyllus</u>	886
Fleas (Siphonaptera) of Egypt	918
Louseborne relapsing fever	957
Fleas (Siphonaptera) of Asia	886, 933
<u>Phlebotomus papatasi</u>	929
<u>Palaeopsylla</u> , n.sp. from Nepal	933



EPIDEMIOLOGYAccession Number

<u>Linguatula serrata</u>	904
Louseborne relapsing fever	957
Meningitis in Egypt	922
<u>Neisseria meningitis group A</u>	922
<u>Nile rat, Arvicantis n. niloticus</u>	925, 943
Onchocerciasis in an Ethiopian population	956
Q fever serological survey	924
<u>Rickettsia prowazeki</u>	900
Royal farm virus	899
Tickborne infectious agents	906
Tick distribution, density and disease	905

HEMATOLOGY

Bleeding disorder	907
Coagulation studies	922
Indirect hemagglutination test	953
Plasma red cells amino acids	913
Thrombopathy with giant platelets	907

NUTRITION

Enzymes	949
Glucose-6-Phosphate Dehydrogenase Deficient Erythrocytes	949
Malnutrition of Parasitism in Egypt	910
Protein calorie malnutrition	913
Massive proteinuria	898

OPHTHALMOLOGY

Conjunctivitis	921
Meningococcal conjunctivitis	897
Retrobulbar neuritis	941

PARASITOLOGY

<u>Ancylostoma duodenale</u>	940
<u>Arvicantis n. niloticus</u>	925, 943
<u>Ascaris lumbricoides</u>	940
Fiariasis	950
Infection in the Nile rat	925
<u>Linguatula serrata</u>	904, 928

<u>Parasitology</u>	<u>Accession Number</u>
Malaria	953
Onchocerciasis	956
<u>Onchocerca volvulus</u>	959
Parasites of endothermal laboratory animals	908
Parasite on giant tortoises	914
Pipe-stem fibrosis of the liver	903
Schistosomiasis, urinary	898, 926, 938, 939
<u>Schistosoma haematobium</u>	920, 925, 943
<u>Schistosoma mansoni</u>	920, 925, 930, 937, 942, 943
Toxoplasmosis in Egypt	945
<u>Toxoplasma gondii</u> from a pig	945
<u>Trypanosoma theileri</u>	948

#### PATHOLOGY

Pipe-stem fibrosis of the liver	903
---------------------------------	-----

#### SEROLOGY and IMMUNOLOGY

Coagulation studies	922
Fluorescent antibody staining technique	956
Hemagglutination test	953
Royal farm virus	899
Serological response	957
Serological survey for Q fever	924
Serum immunoglobulin levels of <u>S. mansoni</u>	942

#### UROLOGY

Massive proteinuria	898
Schistosomal uropathy	926
Urinary osmolality	926
Urinary Salmonella	889
Urinary Schistosomiasis	898, 938, 939

VETERINARY

Accession Number

Diseases of laboratory animals	908
Toxoplasmosis	945
<u>Trypanosoma theileri</u>	948
Ethiopian cattle ticks	948

VIROLOGY

Isolation of Wanowrie, Togoto and Dhorí viruses	931
Royal Farm Virus	899
Tick viruses, ecological review	950, 951

ZOOLOGY (Ornithology)

Birds as tick hosts	906
Charadriiform birds in Ethiopia Rift Valley	952
<u>Luscinia megarynchos</u>	954
<u>L. luscinia</u>	954

AUTHOR INDEX

<u>AUTHOR</u>	<u>Accession Number</u>
Abu El Ela, H.A.	944
Anastos, G.	890
Armstrong, J.C.	953*
Ash, J.S.	952*, 954*
Ayad, N. (El Masry)	889, 920, 930, 938, 939
Barsoum, I.S.	945
Bassal, T.T.M.	894*, 916
Bassily, S.	889*, 898, 920, 921*, 930, 938, 939, 940, 942*
Boctor, F.N.	887*, 932
Botros, B.A.M.	945*
Burgdorfer, W.	900*, 948*
Camicas, J-L.	902*, 935*
Carney, N.P.	934
Casa, J.	899
Cheever, A.W.	903*
Clifford, C.M.	914, 917, 919
Coons, L.B.	936, 947*
Darby, W.J.	910
Dodge, R.W.	955*, 957*
Duncan, J.F.	895
El Kammah, K.	892, 902, 929*, 935
El Masry, N.A.	889, 920, 930, 938, 939
Farid, Z.	889, 898*, 910, 915, 920*, 921, 926, 930*, 938, 939, 940*, 942
Fresh, J.W.	922*
Gaber, S.	895
Girgis, N.I.	897, 922, 937*, 941, 944
Hass, G.E.	918
Hajjar, N.P.	888*
Hamdy, B.H.	911*
Hanna, L.S.	897*, 941*

---

\* Senior authors

AuthorAccession Number

Hassan, A	915, 940, 941
Hathout, S.	897, 944
Hefnawy, T.	894, 901*, 927
Henry, W.	937
Higashi, G.I.	898
Hoogstraal, H.	890*, 891, 892*, 893*, 895*, 899, 900, 902, 905*, 906*, 908*, 909*, 912*, 914*, 917*, 919*, 923*, 934*, 935, 946*, 948,
Imam, I.Z.E.	924
Iskandar, F.	942
Kadarsan, S.	934
Raiser, M.N.	909, 912*, 946
Kamel, K.	907*
Keirans, J.E.	914*, 917, 919
Kerr, J.D.	932
Khalil, G.M.	904*, 928*
Lehman, J.S.	889
Lewis, J.H.	922
Lewis, R.E.	886*, 933*
Lim, B-L	890
Mahran, Y.	942
Mansour, N.S.	925, 937, 943*
McConnell, E.	958*
McDade, J.E.	924*
Mikhail, M.M.	913*
Moch, R.W.	945
Moussa, M.I.	899, 942
Nadchatram, M.	890
Ormsbee, R.A.	900
Patwardhan, V.N.	913
Quinn, R.	921
Roshdy, M.A.	927*, 936*, 947

<u>Author</u>	<u>Accession number</u>
Safwat, Y.	941
Saied, H.I.	942
Saito, Y.	891*, 917
Schmidt, H.L.	948, 958
Sedky, E.	907
Shoukrey, N.M.	936
Sippel, J.L.	897, 944
Sparks, H.A.	898, 915, 944
Ten Eyck, D.R.	956*, 959*
Tomich, P.Q.	918
Tatchell, R.J.	932*
Van Peenen, P.F.D.	895, 934
Wanees, M.	924
Waslien, C.	910*, 913
Williams, R.E.	899*
Yassin, H.W.	897, 922, 944*
Young, S.W.	898, 920, 921, 926*, 938*, 939*
	940
Zaklana, N.S.	924