

PROGRAM OF THE TENTH JOINT LEPROSY RESEARCH CONFERENCE

Contents

27 October 1975, Monday

Registration; Opening and Introductory Remarks: Dr. Earl S. Beck, Chief,
Geographic Medicine Branch, NIAID, and Dr. Charles C. Shepard,
Chairman, U.S. Leprosy Panel

Morning Session: Co-Chairmen: Dr. M. Abe
Dr. C. C. Shepard

- Nakamura, M.** Experiments for transplantable multiplication of *M. lepraemurium* in cell-free liquid medium.
- Dhople, A. M. and Hanks, J. H.** Factors that influence the growth of *M. lepraemurium* in the Nakamura's system.
- Ogawa, T.** Attempts at growth of *M. leprae* in mice and observations on a case of probable contamination with another acid-fast bacillus.
- Matsuo, Y.** Attempts at cultivation of *M. leprae* in cell culture.
- Ito, T.** A31 cell as a host of *M. lepraemurium* and *M. leprae*.
- Chang, Y. T.** Growth of macrophages obtained from various sources.
- Prabhakaran, K., Harris, E. B. and Kirchheimer, W. F.** Binding of ¹⁴C-labeled DOPA by *M. leprae* *in vitro*.
- Drutz, D. J.** Progress in the radio-labeling of *M. leprae*.
- Skinsnes, O. K. and Matsuo, E.** *In vitro* cultivation of leprosy bacilli.

Afternoon Session: Co-Chairmen: Dr. T. Ito
D. W. E. Bullock

- Yamagami, A.** Murine leprosy infections in mouse mesenteries.
- Fieldsteel, A. H. and Levy, L.** Multiplication of *M. leprae* from large inocula in neonatally thymectomized Lewis rats.
- Binford, C. H., Storrs, E. E. and Walsh, G. P.** Disseminated infection in the nine-banded armadillo (*Dasypus novemcinctus*) resulting from inoculation with *M. leprae*.
- Kirchheimer, W. F. and Sanchez, R. M. (A)** Quantitative aspects of leprosy in armadillos.
- Kirchheimer, W. F., Prabhakaran, K., Harris, E. B., Sanchez, R. M. and Shannon, E. J. (B)** Preparation of protein from *M. leprae*, skin test responses and lymphoblast transformation in vaccinated armadillos.
- Kirchheimer, W. F.** Discussion: Delayed hypersensitivity tests with *M. leprae* protein in leprosy and nonleprosy persons.
- Draper, P.** Cell walls of *M. leprae*.
- Rees, R. J. W. and McDougall, A. C.** Airborne infection with *M. leprae* in mice.
- Kirchheimer, W. F.** Discussion: The role of arthropods in the transmission of leprosy.
- Rees, R. J. W.** Discussion: Nasal infection and transmission of leprosy.
- Scott, G. C., Russell, D. A., Boughton, C. R. and Vincin, D. R.** Untreated leprosy: probability for shifts in Ridley-Jopling classification. Development of "flares" or disappearance of clinically apparent disease.

28 October 1975, Tuesday

Morning Session: Co-Chairmen: Dr. M. Nakamura
Dr. R. R. Jacobson

Colston, M. J. and Hilson, G. R. F. The activity of thiacetazone, thiambutosine and thioacarlide in the chemotherapy of experimental leprosy.

Gelber, R. H. and Levy, L. The effect of dihydrofolate reductase inhibitors on *M. leprae* in the mouse foot pad.

Morrison, N. E. and Marley, G. M. The mode of action of clofazimine DNA binding studies.

Shepard, C. C. Combinations involving dapsone, rifampin, clofazimine and ethionamide in the treatment of *M. leprae* infections in mice.

Pearson, J. M. H., Ross, W. F. and Rees, R. J. W. DDS resistance in Ethiopia.

Peters, J. H., Shepard, C. C., Gordon, G. R., Rojas, A. V. and Elizondo, D. S. The incidence of DDS resistance in lepromatous patients in Costa Rica: their metabolic disposition of DDS.

Waters, M. F. R., Pearson, J. M. H. and Rees, R. J. W. Drug resistant leprosy—A comparison between proven dapsone and proven thiambutosine resistance.

Afternoon Session: Co-Chairmen: Dr. M. Nishiura
Dr. N. E. Morrison

Pattyn, S. R., Dockx, P., Rollier, M. T., Rollier, R. and Saerens, E. J. *M. leprae* persists after treatment with DDS and rifampicin.

Rees, R. J. W., Waters, M. F. R., Pearson, J. M. H., Helmy, H. S. and Laing, A. B. G. Long-term treatment of dapsone-resistant leprosy with rifampicin: clinical and bacteriologic studies.

Russell, D. A., Worth, R. M., Scott, G. C., Vincin, D. R., Jano, B., Fasal, P. and Shepard, C. C. Experience with acedapsone (DADDS) in the therapeutic trial in New Guinea and the chemoprophylactic trial in Micronesia.

Levy, L. Discussion: Treatment failure in leprosy.

Levy, L., Shepard, C. C. and Fasal, P. The bactericidal effect of rifampicin on *M. leprae* in man: a) single doses of 600, 900, and 1200 mg; and b) daily doses of 300 mg.

Naafs, B., Pearson, J. M. H. and Baar, A. J. M. A follow-up study of nerve lesions in leprosy during and after reactions using motor nerve conduction velocity.

Namba, M. and Hazama, S. Report: Effect of rifampicin for leprosy: comparative study with several doses and intervals of administration.

Kirchheimer, W. F. Film on armadillos.

29 October 1975, Wednesday

Morning Session: Co-Chairmen: Dr. T. Ogawa
Dr. R. S. Weiser

Welch, T. M. and Levy, L. Preliminary studies with the lymph node lymphocytes of *M. leprae* infected mice.

Krahenbuhl, J. L., Welch, T. M. and Levy, L. The presence of systemic and local activated macrophages in mice infected in

the foot pad with *M. leprae* and *M. marinum*.

Stanford, J. L. and Rook, G. A. W. Taxonomic studies on the leprosy bacillus.

Shepard, C. C. Vaccination of mice against *M. leprae* infection.

Goihman-Yahr, M., Ulrich, M., Noya-Leon, A., Rojas, A. and Convit, J. Dermal exudate macrophages: induction in dermal chambers and response to lymphokines.

Matuhasi, T., Usui, M. and Minami, M. The selective suppression of an antibody response to a given antigen.

Afternoon Session: Co-Chairmen: Dr. M. Namba
Dr. B. R. Bloom

Ward, P. A., Goralnick, S. and Bullock, W. E. Defective leukotaxis in patients with lepromatous leprosy.

Rea, T. H., Quismorio, F., Harding, B., Friou, G. and Levan, N. Quantitative dinitrochlorobenzene (DNCB) responsivity and phytohemagglutinin (PHA) induced lymphocyte transformation in patients with lepromatous leprosy.

Job, C. K., Chacko, C. J. G., Taylor, P. M., Daniel, M. and Jesudian, G. Evaluation of cell-mediated immunity in the histopathologic spectrum of leprosy using lymphocyte transformation test.

Barnetson, R. St. C., Bjune, G., Pearson, J. M. H. and Kronvall, G. Cell-mediated and humoral immunity in "reversal reactions."

Hastings, R. C., Morales, M. J., Shannon, E. J. and Jacobson, R. R. Preliminary re-

Abe, M., Minagawa, F., Yoshino, Y., Ozawa, T., Saito, N. and Osawa, Y. Production of anti-*M. leprae* antibodies in man and mice under the impairment of cell-mediated immunity.

sults on the safety and efficacy of transfer factor in leprosy.

Sansarricq, H., Torrigiani, G. and Walter, J. (A) The WHO Program for Research on Immunology of Leprosy (IMMLEP): Background and management.

Rees, R. J. W. (B) The WHO Program for Research on Immunology of Leprosy (IMMLEP): Some areas of scientific progress.

Convit, J., Pinardi, M. E. and Aranzazu, N. Discussion: Comparative study of the 48-hour response to soluble antigens obtained from human and armadillo leprosy material in lepromatous leprosy patients and normal persons, and contacts of leprosy patients.

Namba, M., Chairman, Japanese Leprosy Panel. Closing remarks.

Joint U.S.-Japan Leprosy Panels Meeting.