health patterns, zoonoses in relation to the evolution of disease, interaction among diseases, and the diagnosis of paleopathologies related to occupation. There follow 10 papers on methods, concerned among other topics with analysis of ancient brain tissue, paleoparasitology, soft tissue calcification, and interpretation of ceramic representations of medical conditions and procedures. An ensuing group of seven papers is focused on assessment of health and disease in particular populations—North American Plains Indians, Afro-Americans of the post-Reconstruction era, Japanese of various periods, prehistoric Danes, and aboriginal peoples of Chile and Australia. The remainder of the volume is given over to particular pathologies, with two to three papers each on tuberculosis, leprosy, arthritis, trauma, tumors, dental disease, and miscellaneous conditions. Geographical areas represented by these studies range from ancient Egypt through Britain to California and the Andes.

Noting "the problems inherent in writing in another language," the editors assume responsibility for some rewriting of the contributions. They have also provided brief summaries of discussions that followed the original presentations. Their final conclusion is that "the ultimate adoption of even a fraction of the new methods discussed [in the volume] can be expected to change the nature of paleopathologic study more during the coming decade than it has enjoyed during the past century."—K.L.

AIDS Research Reviews. Vol. 1. WAYNE C. KOFF, FLOSSIE WONG-STAAL, and RONALD C. KENNEDY, Eds. Dekker, New York, 1991. xviii, 458 pp., illus. \$150.

AIDS Research Reviews joins an earlier annual series, AIDS Clinical Reviews, from the same publisher. In keeping with the general plan for the series, this first volume contains reviews (usually five each) in five general areas. The treatment of the first area, molecular biology, opens with a discussion of the regulatory proteins of the human immunodeficiency viruses by Rosen and Dillon and includes papers on cellular regulation of HIV gene expression (Nabel), HIV envelope variability (Goudsmit et al.), and the relations among primate lentiviruses (Johnson et al.). A second group of reviews is devoted to host responses, authors here being Rosenberg and Fauci, Vermund et al., Goedert, Fenijo and Norrby, and Kunsch and Wigdal and topics discussed including sexual and perinatal transmission and the possible role of cofactors, among others. A group of papers on animal models then includes considerations of infection in chimpanzees, horses, and mice (SCID and transgenic). Discussions of efforts to develop drugs and vaccines occupy the rest of the volume. Authors concerned with drug development focus on HIV-1 protease, CD4 molecules, hybridization inhibition, immunotoxins, and retroviral vector-mediated gene transfer. The treatment of vaccines includes considerations of the use of whole inactivated simian immunodeficiency virus, synthetic peptides, neutralizing antibodies, recombinant live-virus vectors, and anti-CD4 idiotypes. Each chapter has its own reference list (in some cases extending to 1990), and for the volume as a whole there is a 22-page subject index.—K.L.

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