ACIDOSIS, DIABETIC
treatment, 6

AQUEOUS HUMOR
cryocautery and ... dynamics, 245

ANTIDIURESIS
INAPPROPRIATE
treatment, 6
examples of hyponatremic syn-
drome resembling exoge-
neous vasopressin adminis-
tration in man, 196

ARTERIOSCLEROSIS
ATHEROSCLEROSIS
pathogenesis of and coronary
heart disease, 189

ARTHRITIS, RHEUMATOID
complications (CPC), 162

ATHEROSCLEROSIS
see under Arteriosclerosis

BLOOD VOLUME
plasma volume expansion and
proximal tubular reabsorption
of salt and water by rat kid-
ney, 100

BODY COMPOSITION
dynamic physical fitness and, 102

BOOK REVIEWS
Rosinski, E. F., Assistant Medi-
cal Officer (Nemuth, H. I.),
257
Spencer, F. J., Assistant Medical
Officer (Nemuth, H. I.), 257

BRAIN
brains of prominent people, 106

CATECHOLAMINES
observations on chromaffin tis-
sue, 111

CAUTERY
cryo- and aqueous humor dy-
namics, 245

CHOLINERGIC-BLOCKING
AGENTS
see Parasympatholytics

CHOLINESTERASE
INHIBITORS
chorinergic responses of S. man-
soni, 135

CHROMAFFIN TISSUE
observations on, 111

CLINICOPATHOLOGICAL
CONFERENCES
complications of rheumatoid
arthritis, 162
painful leg mass in 23-year-old
male, 259

CLINICS
see under Hospitals, teaching

COLLAGEN
tissue culture perfusion chamber
with substratum of reconsti-
tuted . . . , 222

COMMUNICABLE DISEASES
virus infections—what of the fu-
ture, 185

COMPUTERS
application to medicine, 238
effect on medical practice, 234
effect on patient care, 242

CORONARY DISEASE
pathogenesis of atherosclerosis
and, 189

CRYOSURGERY
of pituitary gland, 58
cryocautery and aqueous humor
dynamics, 245

CYTOLOGY
tissue culture perfusion chamber
with substratum of reconsti-
tuted collagen, 222

DIABETES MELLITUS
crystalization, treatment, 6
glomerulosclerosis in, 39
in pregnancy, 37
insulin antagonists, 24
insulin antigenicity, 19
management in children, 10
microangiopathy in, 43
natural history, 2
neuropathy, 48
problems in insulin-dependent
diabetic, 28

retinopathy
cryosurgery of pituitary gland,
58
natural history, 51
pituitary ablation, 55
state of insulin in blood, 14
surgical problems, 35

DIABETES MELLITUS,
JUVENILE
management in children, 10

DIABETIC ANGIOPATHIES
glomerulosclerosis, 39
microangiopathy, 43

DIABETIC NEUROPATHIES
diabetic neuropathy, 48

DIABETIC RETINOPATHY
cryosurgery of pituitary gland,
58
natural history, 51
pituitary ablation, 55

DIFFUSION
... rate of ions in gels, 127
self- in sodium single crystals,
133

DRUG THERAPY
treatment of diabetes with oral
hypoglycemic drugs, 32

EDITORIALS
good teaching, 60
responsibilities of scientists, 179

EDUCATION, MEDICAL
ambulatory services in teaching
hospitals, 143
changing pattern of general prac-
tice and educational implica-
tions, 150

ELECTROLYTES
diffusion rate in gels, 127

ELECTROPHYSIOLOGY
deadly poison [tetrodotoxin] be-
comes useful tool, 114
intracellular studies of pre-synap-
tic inhibition, 138
nature of resting frog skin po-
tential, 116
FACTOR ANALYSIS, STATISTICAL
ranking test in biological sciences, 212
some malpractices in medical statistics, 207

FISCHER, ERNST
papers in honor of, beginning p. 72
personal tribute (E. Huf), 70
photographs, 69

FROGS
nature of resting frog skin potential, 116

GENERAL PRACTICE
changing pattern, 150

HEMOGLOBIN
Oxygen-affinity method for determining, 219

HOSPITALS
Teaching ambulatory services in, 143

HYPOGLYCEMIC AGENTS
acetohexamide, use in treatment of diabetes mellitus, 32
chlorpropamide, use in treatment of diabetes mellitus, 32
phenformin, use in treatment of diabetes mellitus, 32
tolbutamide, use in treatment of diabetes mellitus, 32

HYPONATREMIA
inappropriate antidiuresis: examples of hyponatremic syndrome resembling exogenous vasopressin administration in man, 196

HYPOPHYSECTOMY
cryosurgery, 58
for diabetic retinopathy, 55

INSULIN
antagonists, 24
antigenicity, 19
problems in dependent diabetic, 28
state of in blood, 14

INSULIN ANTIBODIES
insulin antigenicity, 19

KIDNEY
plasma volume expansion and proximal tubular reabsorption of salt and water by rat . . . , 100

KIDNEY TRANSPLANTATION
in management of diabetic patients, 35

MEDICINE
application of computers to, 238
Practice effect of computers on, review, Assistant Medical Officer (Nemuth, H. I.), 257
shame of American medicine, 154
shame of American medicine—a reply, 160

METABOLISM
of rabbit peritoneal cells, 215

MEYERHOF, OTTO
recollections of, 141

MOTOR NEURONS
intracellular studies of presynaptic inhibition, 138

MUSCLE CONTRACTION
contractile fine structure of vertebrate smooth muscle, 72
effects of extreme shortening on frog skeletal muscle, 90
latency relaxation, 82
“slow” and “fast” muscle fibers, 78

MUSCLE, SMOOTH
contractile fine structure of vertebrate, 72

NEOPLASMS
giant cell tumor of bone (CPC), 259

NERVE CONDUCTANCE
deadly poison [tetrodotoxin] becomes useful tool, 114

NEUROLOGY
brains of prominent people, 106

OXYGEN
Hemoglobin affinity method for determining, 219

PARASYMPATHOLYTICS
cholinergic response of S. mansoni, 135

PATIENTS
ambulatory services in teaching hospitals, 143
patient has the floor, 180
Patient care
effect of computers on, 242

PERITONEAL CELLS
metabolism and resistance to infection after vaccination with salmonella, 215

PHAGOCYTOSIS
effects of salmonella vaccination on metabolism and resistance to infection of rabbit peritoneal cells, 215

PHYSICAL FITNESS
dynamic . . . and body composition, 102

PITUITARY GLAND
cryosurgery of in diabetes, 58

POISONS
deadly . . . [tetrodotoxin] becomes useful tool, 114

PRACTICE (MEDICAL)
changing pattern of general practice, 150
shame of American medicine, 154
shame of American medicine—a reply, 160

PREGNANCY IN DIABETES
pregnant diabetic, 37

RADIOISOTOPES
use in determining diffusion rate of ions in gels, 127

SALMONELLA
Vaccination
effect on metabolism and resistance to infection of rabbit peritoneal cells, 215