Abortion, therapeutic:
psychiatric considerations in, 126–129

Acarina. See Arachnida

Acetylcholine:
as messenger substance, 27

Acoustics:
effect on tobacco mosaic virus (abstract), 35

Actinomycin D. See Dactinomycin

Agglutination tests:
in tissue typing, 190-191

Allopurinal:
use in gout, 7

Amines:
biogenic, in neurochemical mediation, 30

Amphibia:
effect of thyroid hormone levels, 45–46

Analeptics:
in treatment of depressive states, 158–159

Anoxemia:
in perfusion, 174-176

Anoxia:
minimized by preservation in transplantation, 171

Anthropology, physical:
domestication of plants and animals, 58–60;
growth and development of man, 56–60

Antibodies:
development of, against donor cells, 190

host anti-donor, histocompatibility testing of, 193, 197-198

Antidepressive agents:
therapeutics of, in mental disorders, 158-159

Antigen-antibody reactions:
and the lymphocyte, 200-203
in infectious disease, 49–52;
in tissue typing methods, 190-192
onset of the immune response, 9–15

Antigens:
consequences of exposure to, in embryonic life, 182-183
histocompatibility testing, 171, 195-198

HL-A terminology for, 190;
leukocyte group in tissue typing, 196–198;
tissue typing (histocompatibility testing), 190–193

Anxiety:
and promotion of disorganization, 116–118;
as psychiatric emergency, 107;
in surgical patient, 135

Arabinose:
L-arabinose utilization in Escherichia coli (abstract), 33

Arachnida:
sex-determining mechanisms in (abstract), 35–36

Attitude:
in prejudice, 91–92

Bacteriophage:
neutralization of, 10

Behavior:
assessment of normal, in humans, 147–150;
deviant, in humans, 85–89;
emotional reactions of surgical patient, 135–136;
in psychiatric emergencies, 107–109;
treatment of disorders in, 120–124

Behavioral sciences:
ideal characteristics of scientists, 87

Benemid. See Probenecid

Birds:
immuno-electrophoretic analysis of proteins of House Sparrow (abstract), 37–38

Bone resorption:
and osteopetrosis, 17–19

Body temperature:
radio-frequency electrodes and hyperthermia, 23

Body temperature regulation:
instrumentation, 20–26;
methods and theories of brain heating and cooling, 20–26

Brain:
temperature-sensitive areas in, 23–24

Carbon monoxide poisoning:
in Great Britain, 53–55

Carinamide. See Uricosuric agents

Catecholamines:
relationship to thyroid hormone, 46

Central nervous system:
thermal stimulation of, 24

Chemotherapy. See Drug therapy

Child welfare:
history of, 91–92

Chromatography:
DEAE-cellulose, 12

Cinchophen:
use in gout, 7

Cyclic 3’, 5’-AMP:
in sodium permeability (abstract), 38

Cognition:
effects of stress on, in surgical patient, 135–136

Cognition disorders:
as psychiatric emergencies, 107

Colchicum:
use in gout, 5

Communication:
interprofessional and patient relationships, 93–110;
teaching as major contribution of psychiatrist, 103
Neurohormones: See Neurohorms

Neurohumors: as distinguished from neurohormones, 27–30

Muscles:

Neural transmission:

Nephrocalcinosis:
as related to osteopetrosis, 17

Neurons:
as neurosecretory cells, 27–30

Neurosecretory cells. See Neurons

Neuroses:

Neutralization tests:

Noradrenaline. See Norepinephrine

Norepinephrine:
as messenger substance, 27;
in cold adaptation, 45

Neurohumors: as chemical mediators, 27–30

Judgment:
moral, in determination of deviant behavior, 86–89

Kidney:
preservation of, 171

Lactates:
aerobic utilization of (abstract), 36–37

Learning:
and human development, 90–91

Legislation, medical:
concerning abortion, 126–129

Lymphocytes:
and transplantation cellular immunity, 49–52;
effect of depletion on homograft response, 200–201;
immunologic role of, 200

Lymphoid tissue:
and immune capability, 184

Mental disorders:
drug therapy in, 151–160

Mental health:
concepts of, 86–87;
prevention of psychiatric emergencies, 110

Mercaptoethanol:
in early and late antibody differentiation, 12

Metabolic clearance rate:
in organ preservation, 171–172

Monkeys:
Macaca mulatta, intrinsic back musculature of (abstract), 35

Mosalicism:
erthrocyte chimerism in cattle twins, 182–183

Muscle contraction:
in frogs (abstract), 36

Muscles:
spinal, classification of (abstract), 35

Mutation:
enhancement of L-arabinoose utilization in Escherichia coli by (abstract), 33

Nephrocalcinosis:
as related to osteopetrosis, 17

Neural transmission:
classification of chemical media, 27

Neurohormones. See Neurohorms

Neurohormones:
as chemical mediators, 27–30;
as distinguished from neurohormones, 27

Neurons:
as neurosecretory cells, 27–30

Neurosecretory cells. See Neurons

Neuroses:

Phenylbutazone:
use in gout, 6

Physician-patient relations:

Physicians:
and sexual counseling, 130–134;
role in assessing normal behavior, 147–150

Plasma proteins:
immonoelectrophoretic analysis of (abstract), 37–38

Population:
characteristics of the older, 137;
vital statistics of older, 137–140

Postoperative care:
in cardiac transplantation, 169

Preservation, biological:
advantages and disadvantages of, in clinical transplantation, 171–172

Methods of, for organs, 171–172

Probability:
stochastic programming in operations research, 62

Probenecid:
use in gout, 7

Professional-patient relations:
in management of psychiatric emergencies, 108–110

Proline:
tritiated, use in osteogenic evaluation, 18

Psychiatry:
in medical practice, 84–164;
in society and the community, 120–124;
revolution in, 122–123;
trends in, 147–150

Psychopharmacology:
development of psychiatric treatment, 151–159

Psychophysiology:
in medical practice, 125–141

Psychoses:
as psychiatric emergencies, 107

Psychoses, senile:
concepts of etiology and treatment, 139–140

Psychosexual development:
factors in, 130–131

Psychotherapy:
in medical practice, 142–160;
management of, 104–105

Public opinion:
and treatment of deviants, 87–88

Rabies:
in osteopetrotic studies, 18

Radio-frequency heating. See Body temperature regulation

Referral and consultation:
choice of patient for, 94–95;
consultation methods, 102–104;
in psychiatric emergencies, 107–110;
preparation of patient for, 99–100;
problems in, 94–100;
role of the psychiatrist, 101–104

Regeneration:
in immunologically competent cells, 186–187

RNA, messenger:
in mediation of antibody specificity synthesis, 9

Radio-frequency heating. See Body temperature regulation

Perceptual disorders:
three-dimensional, 171–172

Phagocytosis:
as defense in infectious disease, 49–51

Phenylbutazone:
use in gout, 6

Physician-patient relations:

Physicians:
and sexual counseling, 130–134;
role in assessing normal behavior, 147–150

Population:
characteristics of the older, 137;
vital statistics of older, 137–140

Postoperative care:
in cardiac transplantation, 169

Preservation, biological:
advantages and disadvantages of, in clinical transplantation, 171–172

Methods of, for organs, 171–172

Probability:
stochastic programming in operations research, 62

Psychosexual development:
factors in, 130–131

Psychotherapy:
in medical practice, 142–160;
management of, 104–105

Public opinion:
and treatment of deviants, 87–88

Rabies:
in osteopetrotic studies, 18

Radio-frequency heating. See Body temperature regulation

Referral and consultation:
choice of patient for, 94–95;
consultation methods, 102–104;
in psychiatric emergencies, 107–110;
preparation of patient for, 99–100;
problems in, 94–100;
role of the psychiatrist, 101–104

Regeneration:
in immunologically competent cells, 186–187

RNA, messenger:
in mediation of antibody specificity synthesis, 9

Radio-frequency heating. See Body temperature regulation

Referral and consultation:
choice of patient for, 94–95;
consultation methods, 102–104;
in psychiatric emergencies, 107–110;
preparation of patient for, 99–100;
problems in, 94–100;
role of the psychiatrist, 101–104

Regeneration:
in immunologically competent cells, 186–187

RNA, messenger:
in mediation of antibody specificity synthesis, 9

Radio-frequency heating. See Body temperature regulation

Referral and consultation:
choice of patient for, 94–95;
consultation methods, 102–104;
in psychiatric emergencies, 107–110;
preparation of patient for, 99–100;
problems in, 94–100;
role of the psychiatrist, 101–104

Regeneration:
in immunologically competent cells, 186–187

RNA, messenger:
in mediation of antibody specificity synthesis, 9

Radio-frequency heating. See Body temperature regulation

Referral and consultation:
choice of patient for, 94–95;
consultation methods, 102–104;
in psychiatric emergencies, 107–110;
preparation of patient for, 99–100;
problems in, 94–100;
role of the psychiatrist, 101–104

Regeneration:
in immunologically competent cells, 186–187

RNA, messenger:
in mediation of antibody specificity synthesis, 9

Radio-frequency heating. See Body temperature regulation

Referral and consultation:
choice of patient for, 94–95;
consultation methods, 102–104;
in psychiatric emergencies, 107–110;
preparation of patient for, 99–100;
problems in, 94–100;
role of the psychiatrist, 101–104

Regeneration:
in immunologically competent cells, 186–187

RNA, messenger:
in mediation of antibody specificity synthesis, 9

Radio-frequency heating. See Body temperature regulation

Referral and consultation:
choice of patient for, 94–95;
consultation methods, 102–104;
in psychiatric emergencies, 107–110;
preparation of patient for, 99–100;
problems in, 94–100;
role of the psychiatrist, 101–104

Regeneration:
in immunologically competent cells, 186–187

RNA, messenger:
in mediation of antibody specificity synthesis, 9
Schools, medical:
Medical College of Virginia, history, 72–76

Serology:
studies and homotransplantation, 195–198
Serums. See Immune serums

Sex:
factors determining sexual identity, 130–131;
problems, 131–132
Sex behavior:
factors in, 130
Sex behavior, animal:
in Drosophila equinoxialis (abstract), 34

Social change:
as catalyst in interprofessional relations, 143–145

Social isolation:
of mentally ill, 121–122

Social problems:
and therapeutic abortion, 127–129

Social service, psychiatric:
role in psychophysologic therapy, 114–115

Sociopathic personality:
drug therapy for, 152

Sodium:
transport across frog skin (abstract), 38

Sodium salicylate:
use in gout, 7

Steroids:
use in gout, 6

Streptococcus:
an aerobic, isolated from human sub-
gingival crevice area (abstract), 37

Stress:
anxiety-defense model in surgical patient, 135

Suicide:
by carbon monoxide poisoning, 53;
risk of, in pregnant women, 126–127

Sulfonamides:
physicochemical properties of, in relation to biological activity (abstract), 32

Surgery, operative:
technique in cardiac transplantation, 169

Synapses:
conventional mode of communication, 27;
ultrastructural attributes of chemical, 27

Thermodes. See Body temperature regulation, 20–26

Thymectomy:
and induction of immune incompetence, 184–185

Thyrocalcitonin:
effects on bone formation, 18

Thyroid gland:
role in osteopetrosis, 17

Thyroid hormones:
physiology of, 44–48

Tissue donors:
methods of tissue typing, 190

Tobacco mosaic virus:
mechanical breakage of (abstract), 35

Tranquilizing agents:
neuroleptic and anxiolytic sedatives, 153–158;
therapeutic applications in psychiatric disorders, 153–158

Transplantation:
graft-versus-host reactions, 183–184

Transplantation, homologous:
and tissue typing, 190–198
cardiac, current status and future potential of, 198;
cardiac, selection of patients for, 168–169
detection and treatment of rejection, 169–170
rejection of homograft, 190

Transplantation immunology:
mechanisms of, 200–203

Uracil mustard:
effects on normal and induced immune response, 10

Uric acid:
in gout, 7

Uricosuric agents:
use in gout, 7

Vasopressin:
in direct action on “target” tissue, 29

Vision:
binocular testing, 69–71;
unilateral aphakia and contact lenses, 69–71

Wine:
relationship to occurrence of gout, 7–8