Subject Index

Agarose gel electrophoresis analysis, temperature-sensitive strains of SV40 350
Amapari virus, cross-protection against Junin virus 42
Animal influenza, demonstration of antibodies to hemagglutinin and neuraminidase antigens of H3N2 influenza A virus in dogs 315
Antigenic analysis, glycoproteins of Sendai virus 108
Antigenicity, enhancement in herpesvirus-transformed cells using IUdR 64
Arbovirus, Bunyaviridae, report of International Committee on Taxonomy of Viruses Study Group 13
yellow fever virus, isolation in mosquito cells 50
Arenaviridae,
Pichinde virus, requirement of cell nucleus from replication 190
Tacaribe complex viruses, cross-protection studies 42
Argentine hemorrhagic fever (Junin) virus, cross-protection with other Tacaribe complex viruses 42
Bacteriophage, morphology and physico-chemical properties of the transducing coliphage φγ and its DNA 98
Baculoviridae,
- baculovirus, comparative studies of granulins and polyhedrins 168
Baculovirus, comparative studies of granulins and polyhedrins 168
BAMMQ [2,3-bis(acetyl mercaptomethyl)-quinoxalin], inhibition of herpes simplex virus growth 285
Biochemical and biologic characters of herpes simplex virus variants 212
Biochemical studies of human coronavirus, strain 229E 197
Brain tissue culture studies with patas monkey, Creutzfeldt-Jakob disease 150
Bunyamwera virus, International Committee on Taxonomy of Viruses, Arbovirus Study Group report 13
Bunyaviridae, proposed virus family-Arbovirus Study Group report, International Committee on Taxonomy of Viruses 13
Bunyavirus, Arbovirus Study Group report on the proposed genus of the family Bunyaviridae, International Committee on Taxonomy of Viruses 13
Calicivirus, the case for classification apart from Picornaviridae family 57
Canine influenza, demonstration of antibodies to hemagglutinin and neuraminidase antigens of H3N2 influenza A virus 315
Characterization and taxonomy of soybean virus Z 325
Chimpanzees, immunofluorescent study of hepatitis B virus 207
Classification,
calicivirus, the case for classification apart from Picornaviridae family 57
International Committee on Taxonomy of Viruses, Arboviruses Study Group report on Bunyaviridae 13
new plant virus groups approved by International Committee on Taxonomy of Viruses 181
soybean virus Z and viruses with filamentous particles 325
Classification of viruses, summary of International Committee on Taxonomy of Viruses meetings in Madrid, 1975 1
Closterovirus, new plant virus group approved by International Committee on Taxonomy of Viruses 181
Coliphage φγ, properties and distinction from the φ80 virion 98
Subject Index
373

Comparative Virology, new section added
to Intervirology journal 62 Coronaviridae,
coronavirus strain 229E, isolation and morphology of internal component 197
mouse hepatitis virus-like particles in nude mouse uterus 90
Coronavirus (human) strain 229E, isolation and morphology of internal component 197
Creutzfeldt-Jakob disease, transmission to patas monkey with cytopathological changes in in vitro cultivated brain cells 150
Cricket paralysis virus, replication in cultured Drosophila cells 333
Cross-protection between Tacaribe complex viruses 42
C-type RNA viruses of mouse cells, control of viral polypeptide expression 258
Cytochalasin B-enucleated cells, Pichinde virus 190
Cytomegalovirus, in vitro stimulation of human lymphocytes 249
Cytopathological changes in in vitro brain cultures of Creutzfeldt-Jakob-infected patas monkey 150
Cytoplasmic and nuclear SV40 T antigen localization in hamster cells transformed by PARA (3ct)-adenovirus 7 343
Cytoplasmic RNA (SV40-specific), synthesis 122
Defective herpes simplex virus DNA of strain Angelotti 270
Defective measles, demonstration by mixed infection to form pseudotypes with vesicular virus 185
DNA polymerase activities induced by herpes simplex virus types 1 and 2 356
DNA polymerase-positive core particles from hepatitis-infected hepatocytes 224
Drosophila cells, cricket paralysis virus replication 333
EBNA (Epstein-Barr virus-determined nuclear antigen), appearance in human epithelial cells following fusion with lymphoid cells 115
Echovirus 25 isolate from hepatitis patient, serologic comparison with hepatitis A antigen 319
Electron microscopy, mouse hepatitis virus-like particles in nude mouse uterus 90
Electrophoretic properties of temperature-sensitive mutant particles of SV40 350
Encephalomyocarditis virus RNA, size of poly(A) sequences 367
Endogenous viral RNA, type-C: control of viral polypeptide expression 258
Enterovirus,
ehovirus 25 isolate from hepatitis patient, serologic comparison with hepatitis A antigen 319
encephalomyocarditis virus RNA, size of poly(A) sequences 367
Epstein-Barr virus-determined nuclear antigen appearance in human epithelial cells following fusion with lymphoid cells 115
Fucolipids of highly and weakly tumorigenic SV40- and herpes simplex virus-transformed cell lines 32
Fusion of human epithelial cells and lymphoid cells, appearance of Epstein-Barr virus-determined nuclear antigen 115
Gel filtration of fecal extracts containing virus-like particles associated with hepatitis 309
Genetic factors influencing endogenous type-C RNA viruses in mouse cells: control of viral polypeptide expression 258
Genome strategy of caliciviruses 57
Genomes of infectious RNA viruses, integration into cell chromosomes 129
Glycoproteins of Sendai virus, purification and antigenic analysis 108
Granulins and polyhedrins, baculovirus 168
Guanidine, inhibition of tobacco mosaic virus RNA synthesis 83
374
Subject Index
Hemagglutinin and neuraminidase antibodies and demonstration of H3N2 influenza A virus in dogs 315
Hepatitis A antigen, serologic comparison to an echovirus 25 isolate recovered from a patient with viral hepatitis 319
Hepatitis A virus, purification procedure using agarose gel filtration 309
Hepatitis B antigen, immunofluorescent localization in chimpanzees 207
Hepatitis B virus, DNA polymerase-positive core particles 224
immunofluorescent study in chimpanzees 207
Herpes simplex virus, a defective genotype of virus strain Angelotti (ANG) 270
fucolipid patterns of highly and weakly tumorigenic cell lines transformed by HSV 32
immune inhibition of virus release from herpes simplex virus-infected cells 296
inhibition of virus growth by quinox-alin derivatives 285
Herpes simplex virus type 1, presence of herpesvirus-associated surface antigens on transformed, tumor, and metastatic hamster cells 64
Herpes simplex virus type 2, characterization of single-cell clonal lines derived from transformed mouse cells 156
Herpes simplex virus types 1 and 2, comparison of DNA polymerase activities 356
plaque dissociation, biochemical and biologic characters of the viral variants 212
quantitative comparison of transformation potential of virus strains 72
Herpesvirus-associated surface antigens on transformed, tumor and metastatic hamster cells 64
Herpetoviridae, - cytomegalovirus, in vitro stimulation of human lymphocytes 249
Epstein-Barr virus-determined nuclear antigen appearance in human epithelial cells following fusion with lymphoid cells 115
herpes simplex virus, a defective genotype of virus strain Angelotti 270
herpes simplex virus, fusolipid patterns of highly and weakly tumorigenic cell lines transformed by HSV 32
herpes simplex virus, immune inhibition of virus release from herpes simplex virus-infected cells 296
herpes simplex virus, inhibition of virus growth by quinoxalin derivatives 285
herpes simplex virus type 2, characterization of single-cell clonal lines derived from transformed mouse cells 156
herpes simplex virus types 1 and 2, comparison of DNA polymerase activities 356
herpes simplex virus types 1 and 2, plaque dissociation 212
herpes simplex virus types 1 and 2, quantitative comparison of transformation potential of virus strains 72
herpesvirus-associated surface antigens on transformed, tumor and metastatic hamster cells 64
Hordeivirus, new plant virus group approved by International Committee on Taxonomy of Viruses 181
Human coronavirus, internal component 197
Human epithelial cells, appearance of Epstein-Barr virus-determined nuclear antigen 115
Human lymphocytes, in vitro stimulation by purified cytomegalovirus 249
Uarvirus, new plant virus group approved by International Committee on Taxonomy of Viruses 181
Immune inhibition of virus release from herpes simplex virus-infected cells 296
Subject Index
375

Immunity, cross-protection between Tacaribie complex viruses 42
Immunofluorescent localization of hepatitis B antigen in chimpanzee tissues 207
Infectious RNA viruses, integration of viral genomes 129
Influenza A virus, antigenicity after proteolysis 239
Influenza A virus (human H3N2) in dogs, demonstration of antibodies to hemagglutinin and neuraminidase antigens 315
Inhibition of herpes simplex virus growth by quinoxalin derivatives 285
Inhibition of RNA synthesis by guanidine, tobacco mosaic virus 83
Inhibition of virus release from herpes simplex virus-infected cells by treatment with virus antiserum 296
Insect virus, baculovirus, comparative studies of granulins and polyhedrins 168
Cricket paralysis virus, replication in cultured Drosophila cells 333
Integration of viral genomes into cell chromosomes, infectious RNA viruses 129
International Committee on Taxonomy of Viruses, approval of new plant virus groups (1975) 181
Arbovirus Study Group report on proposed family Bunyaviridae 13 - results of meetings in Madrid, 1975 1
Intervirology, addition of new section on Comparative Virology to the journal 62
Invertebrate virus, baculovirus, comparative studies of granulins and polyhedrins 168
Cricket paralysis virus, replication in cultured Drosophila cells 333
Isolation in mosquito cells, yellow fever virus 50 IUdR treatment, enhanced antigenicity of herpesvirus-transformed cells 64
Junin virus (Argentine hemorrhagic fever), cross-protection with other Tacaribe complex viruses 42
Kinetics of development, Rous sarcoma virus-infected cells 25
Liver-derived hepatitis B core antigen, DNA polymerase activity 224
Localization of SV40 T antigen in hamster cells transformed by PARA (3ct)-adenovirus 7 343
Luteovirus, new plant virus group approved by International Committee on Taxonomy of Viruses 181
Lymphocyte (human) in vitro stimulation by purified cytomegalovirus 249
Lymphoid cell fusion with human epithelial cells, appearance of Epstein-Barr virus-determined nuclear antigen 115
Machupo virus, cross-protection against Junin virus 42
Matrix (M-) protein impairment by proteolytic treatment of influenza A virions 239
Measles (defective), demonstration by mixed infection to form pseudotypes with vesicular stomatitis virus 185
Medical virology program of the World Health Organization 133
Mixed infection of vesicular stomatitis virus and defective measles to form pseudotypes 185
Monkey, patas (Erythrocebuspatas): transmission of Creutzfeldt-Jakob disease and cytopathological changes in in vitro cultivated brain cells 150
Morphological resemblance of mouse hepatitis virus and particles in nude mouse uterus 90
Morphology and physicochemical properties of the transducing coliphage φγ and its DNA 98
Morphology of internal component of human coronavirus, strain 229E 197
Mosquito (Aedespseudoscutellaris) cell isolation, yellow fever virus 50
Mouse hepatitis virus-like particles in nude mouse uterus 90
Murine type-C RNA virus, polypeptide expression 258
376
Subject Index

Neuraminidase and hemagglutinin antibodies and demonstration of H3N2 influenza A virus in dogs 315
Neutralizing antibodies and cross-protection between Tacaribe complex viruses 42
Nomenclature, calicivirus, the case for classification apart from Picornaviridae family 57
International Committee on Taxonomy of Viruses, Arbovirus Study Group report on Bunyaviridae 13
new plant virus groups approved by International Committee on Taxonomy of Viruses 181
summary of International Committee on Taxonomy of Viruses meeting in Madrid, 1975 1
Nuclear and cytoplasmic SV40 T antigen localization in hamster cells transformed by PARA (3ct)-adenovirus 7 343
Nuclear antigen appearance in human epithelial cells, Epstein-Barr virus 115
Nucleus (cell) required for replication of Pichinde virus 190
Nude mouse uterus, mouse hepatitis virus-like particles 90
Oncovirinae subfamily, C-type RNA viruses of mouse cells, control of viral polypeptide expression 258
Rous sarcoma virus, properties and kinetics of virus-infected cells 25
Orthomyxoviridae,
influenza A virions, antigenicity after proteolysis 239
influenza A virus (human H3N2) in dogs, demonstration of antibodies to hemagglutinin and neuraminidase antigens 315
Papovaviridae,
SV40, electrophoretic properties of temperature-sensitive mutant particles 350
SV40, fucolipid patterns of highly and weakly tumorigenic cell lines transformed by SV40 32
SV40, localization of T antigen in hamster cells transformed by PARA (3ct)-adenovirus 7 343
SV40, temperature-dependent synthesis of early and late SV40-specific cytoplasmic RNA during tsD*101 mutant virion infection 122
PARA-adenovirus 7-transformed cells, localization of SV40 T antigen 343
Parainfluenza virus,
- Sendai virus, purification and antigenic analysis of glycoproteins 108
Paramyxoviridae,
- Sendai virus, purification and antigenic analysis of glycoproteins 108
Peptide mapping, baculovirus 168
φ80 bacteriophage, morphological distinction from φγ coliphage 98
φγ coliphage, properties and distinction from the φ80 virion 98
Pichinde virus,
cross-protection against Junin virus 42
requirement of cell nucleus for replication 190
Picornaviridae,
calicivirus classification 57
echovirus 25 isolate from hepatitis patient, serologic comparison with hepatitis A antigen 319
encephalomyocarditis virus RNA, size of poly(A) sequences 367
Plant virus,
new groups approved by the International Committee on Taxonomy of Viruses, 1975 181
soybean virus Z, characteristics and taxonomy 325
tobacco mosaic virus, inhibition of RNA synthesis by guanidine 83
Plaque dissociation of herpes simplex virus types 1 and 2, biochemical and biologic characters of the viral variants 212
Poly(A) sequences, encephalomyocarditis virus RNA 367
Subject Index
377

Polyhedrins and granuiins, baculovirus 168
Polypeptide expression in type-C RNA viruses 258
Proteolytic digestion of influenza A virions 239
Pseudotypes (measles), formation with vesicular stomatitis virus 185
Purification and antigenic analysis of Sendai virus glycoproteins 108
Purification by agarose gel filtration, hepatitis A virus 309
Quantitative selection assay for transformation, comparison of herpes simplex virus isolates 72
Quinoxalin derivatives, inhibition of herpes simplex virus growth 285
Replication in cultured Drosophila cells, cricket paralysis virus 333 Replication of Pichinde virus, cell nucleus requirement 190 Restriction endonucleases, resistance of herpes simplex virus strain ANG DNA 270 Retroviridae, C-type RNA viruses of mouse cells, control of viral polypeptide expression 258 Rous sarcoma virus, properties and kinetics of virus-infected cells 25 Rhabdoviridae, vesicular stomatitis virus (measles) pseudotypes, demonstration of defec tive measles infections 185 Ribonucleoprotein complex of human coro-navirus, strain 229E 197 RNA of encephalomyocarditis virus, size of poly(A) sequences 367 RNA synthesis in tobacco mosaic virus, inhibition by guanidine 83 RNA viruses (infectious), integration of viral genomes 129 Rous sarcoma virus, properties and kinetics of virus-infected cells 25 Scientific Group on Virus Diseases, World Health Organization 133 Sendai virus, purification and antigenic analysis of glycoproteins 108 Serologic comparison of hepatitis A antigen to echovirus 25 isolate recovered from viral hepatitis patient 319 Simian virus 40, electrophoretic properties of temperature-sensitive mutant particles 350 fucolipid patterns of highly and weakly tumorigenic cell lines transformed by SV40 32 localization of T antigen in hamster cells transformed by PARA (3ct)-adenovirus 7 343 temperature-dependent synthesis of early and late SV40-specific cytoplasmic RNA during tsD*101 mutant virion infection 122 Slow virus, Creutzfeldt-Jakob disease, transmission to patas monkey with cytopatho logical changes in in vitro cultivated brain cells 150 Soybean virus Z, characteristics and taxonomy 325 Strategy (genome) of caliciviruses 57 SV40, see Simian virus 40 Tacaribe complex viruses, cross-protection studies 42 Tacaribe virus, cross-protection against Junin virus 42 Tamiami virus, cross-protection against Junin virus 42 T antigen localization, SV40 343 Taxonomy, calicivirus, the case for classification apart from Picornaviridae family 57 International Committee on Taxonomy of Viruses, Arbovirus Study Group report on Bunyaviridae 13 new plant virus groups approved by International Committee on Taxonomy of Viruses 181 378 Subject Index soybean virus Z and viruses with fila-mentous particles 325
Taxonomy of viruses, summary of International Committee on Taxonomy of Viruses meeting in Madrid, 1975
Temperature-sensitive mutants of SV40, temperature-dependent synthesis of early and late cytoplasmic RNA
Temperature-sensitive mutants, Rous sarcoma virus
Temperature-sensitive mutations affecting surface structural proteins, SV40
Thymidine kinase, defective herpes simplex virus strain ANG
selection from transformation: comparison of herpes simplex virus isolates
Tobacco mosaic virus, inhibition of RNA synthesis by guanidine
Togaviridae, yellow fever virus, isolation in mosquito cells
Transducing bacteriophage φγ, properties and distinction from the φ80 virion
Transformation, comparison of herpes simplex virus isolates using quantitative selection assay
Transformation stages, Rous sarcoma virus-infected cells
Transformed cells (hamster), presence of herpesvirus-associated surface antigens
Transformed (HSV-2) mouse cells, single cell clonal lines
Transmission (experimental) of Creutzfeldt-Jakob disease to the patas monkey
tsD*101 mutant virion infection and synthesis of early and late SV40 cytoplasmic RNA
Tumor cells (hamster), presence of herpes-virus-associated surface antigens
Tumorigenic SV40- and herpes simplex virus-transformed cell lines, fucolipid patterns
Variants (polycaryocyctogenic and non-poly-caryocytogenic, or aggregating) of herpes simplex virus types 1 and 2, plaque dissociation
Vesicular stomatitis virus (measles) pseudo-types, demonstration of defective measles infections
Viral classification, summary of International Committee on Taxonomy of Viruses meetings in Madrid, 1975
Viral reagents, strengthening of World Health Organization program
Virus production, Rous sarcoma virus
Virus program, World Health Organization
World Health Organization, new program in medical virology
Yellow fever virus, isolation in mosquito cells