

# JOURNAL OF VIROLOGY

Volume 12

Contents for August

Number 2

## Animal Viruses

Terminal Riboadenylate Transferase: a Poly A Polymerase in Purified Vaccinia Virus. MCKAY BROWN, J. W. DORSON, AND F. J. BOLLUM.....	203
Oncogenic Transformation of Hamster Embryo Cells After Exposure to Inactivated Herpes Simplex Virus Type 1. RONALD DUFF AND FRED RAPP.....	209
Hydroxyapatite Chromatography and Formamide Denaturation of Adenovirus DNA. CLARK TIBBETTS, KATARINA JOHANSSON, AND LENNART PHILIPSON.....	218
Processing of Adenovirus 2-Induced Proteins. C. W. ANDERSON, P. R. BAUM, AND R. F. GESTELAND.....	241
RNA Synthesis by Vesicular Stomatitis Virus and a Small Plaque Mutant: Effects of Cycloheximide. GAIL W. WERTZ AND MYRON LEVINE.....	253
In Vitro Protein-Synthesizing Activity of Vesicular Stomatitis Virus-Infected Cell Extracts. MARVIN J. GRUBMAN AND DONALD F. SUMMERS.....	265
Replication of Dengue Virus Type 2 in <i>Aedes albopictus</i> Cell Culture. PANTIPA SINARACHATANANT AND LLOYD C. OLSON.....	275
Mechanism of Oncogenic Transformation by Rous Sarcoma Virus. III. Role of Proviral DNA in Morphologic Conversion of Chicken Embryo Fibroblasts. PIERO C. BALDUZZI.....	284
Polypeptide Composition of Poliovirions, Naturally Occurring Empty Capsids, and 14S Precursor Particles. BRUCE A. PHILLIPS AND ROBERT FENNELL.....	291
Membrane Proteins of Uninfected and Rous Sarcoma Virus-Transformed Avian Cells. ROBERT H. BUSSELL AND WILLIAM S. ROBINSON.....	320
Characterization of the Low-Molecular-Weight RNAs Associated with the 70S RNA of Rous Sarcoma Virus. A. J. FARAS, A. C. GARAPIN, W. E. LEVINSON, J. M. BISHOP, AND H. M. GOODMAN.....	334
Penetration of Host Cell Membranes by Adenovirus 2. DENNIS T. BROWN AND BYRON T. BURLINGHAM.....	386
Incorporation of Labeled Precursors into the RNA and Proteins of Lactic Dehydrogenase Virus. AKIRA NIWA, SHUDO YAMAZAKI, JOHN BADER, AND ABNER LOUIS NOTKINS.....	401
"Reversion" of a Less Tumorigenic <i>cyt</i> Mutant of Adenovirus 12 in Induction of the Cell Surface Change. HIROSHI YAMAMOTO AND HIROTO SHIMOJO.....	413

## Bacterial Viruses

Penetration into Host Cells of Naked, Partially Injected (Post-IST) DNA of Bacteriophage T5. B. LABEDAN AND J. LEGAULT-DEMARE.....	226
Specificity of Formation of Complexes Between Coat Protein and Bacteriophage f2 RNA. JADWIGA CHROBOCZEK, MACIEJ PIETRZAK, AND WLODZIMIERZ ZAGORSKI..	230
Effects of the Decay of Incorporated Radioactive Phosphorus on the Transfer of the Bacteriophage SP82G Genome. WILLIAM T. McALLISTER AND D. MacDONALD GREEN.....	300
Host-Mediated Repair of Discontinuities in DNA From T4 Bacteriophage. K. CARLSON, Z. K. LORKIEWICZ, AND A. W. KOZINSKI.....	310
Effect of a Gene-Specific Suppressor Mutation ( <i>das</i> ) on DNA Synthesis of Gene 46-47 Mutants of Bacteriophage T4D. D. B. SHAH AND HILLARD BERGER.....	328
Isolation of Mutants of Bacteriophage T4 Unable to Induce Thymidine Kinase Activity. KENNETH V. CHACE AND DWIGHT H. HALL.....	343
Multiple Initiation of Bacteriophage T4 DNA Replication: Delaying Effect of Bromodeoxyuridine. KARIN CARLSON.....	349
Effect of Viral Double-Stranded RNA on Mammalian Cells in Culture: Cytotoxicity Under Conditions Preventing Viral Replication and Protein Synthesis. B. CORDELL-STEWART AND MILTON W. TAYLOR.....	360
Transforming Ability of a T4 RNA-DNA Copolymer. LORÉ ANNE McNICOL.....	367

Continued on next page

*Continued from preceding page*

Genetic Control of Capsid Length in Bacteriophage T4. I. Isolation and Preliminary Description of Four New Mutants. A. H. DOERMANN, F. A. EISERLING, AND LINDE BOEHNER.....	374
Variable Transforming Activity of Nonglucosylated and Fragmented T4 DNA. LORÉ ANNE McNICOL.....	397
Effect of Nalidixic Acid on PBS2 Bacteriophage Infection of <i>Bacillus subtilis</i> . ALAN R. PRICE AND SUZANNE M. FOGT.....	405
Replicative Hybrid of T4 Bacteriophage DNA. BEVERLY S. EMANUEL.....	408
Intragenic Complementation Between Temperature-Sensitive Mutants of Gene 42 (dCMP Hydroxymethylase) of Bacteriophage T4. CHE-SHEN CHIU AND G. ROBERT GREENBERG.....	415
Genetic Map of Bacteriophage T3. HILDBURG BEIER AND RUDOLF HAUSMANN.....	417
Erratum.....	420