ORNL-3300
Volume 8
Special

Contract No W-7405-eng-26

TECHNICAL INFORMATION DIVISION

PUBLICATIONS, REPORTS, AND PAPERS FOR 1968 FROM OAK RIDGE NATIONAL LABORATORY

F M O'Hara, Jr
Ann S Klein
Editors

AUGUST 1969

OAK RIDGE NATIONAL LABORATORY
Oak Ridge, Tennessee
operated by
UNION CARBIDE CORPORATION
for the
U.S. ATOMIC ENERGY COMMISSION

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PREFACE

This report is a bibliographic reference to technical information developed at the Oak Ridge National Laboratory during 1968 About half the entries listed have appeared in technical journals or technical reports Papers presented at professional society meetings are listed so that those interested in certain areas of research can contact authors working in similar fields if they wish Books, portions of books, and theses prepared by members of the Laboratory staff are listed also

Reprints of most of the articles appearing in technical journals are available from the authors, and copies of the reports can be purchased from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151 Although reprints of sections of some books are available, in general, books must be purchased from dealers or the publishers Copies of a thesis must be obtained from the university or from the author When a thesis has been published as a Laboratory report, it is also included in the report listing

A secondary contribution of this report is that it summarizes publications productivity at the Oak Ridge National Laboratory according to the divisions of the Laboratory

The contributions of Margaret Passiakos, Central Research Library, Margaret Herring, Laboratory Records, and Joe L Rich, Technical Publications, are acknowledged, many others at the Laboratory also aided by checking their division's entries for accuracy

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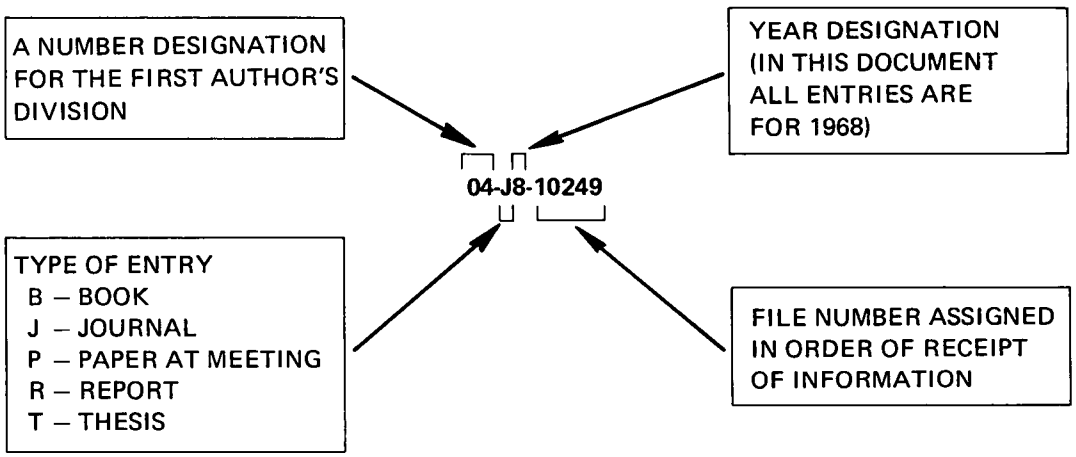
INTRODUCTION

This document lists the titles of written and oral scientific information originating at the Oak Ridge National Laboratory during 1968 It is the eighth document (vol 8) bearing the number ORNL-3300, this number will be continued for the corresponding publication in future years

MAIN LISTING

This section lists references for information originating at the Laboratory Each of the division lists is divided into five categories books, journal articles, papers at professional meetings, reports, and theses To the right of each entry is a code number used for indexing An explanation of this code number will aid in the use of the indexes described later



Division Number – This number shows the author's division A list of the division names for these numbers is given inside the back cover Papers and presentations with multiple authors have been listed according to the regular division of the first author An employee may actually have been on loan to some other division at the time the work was done In the case of material presented by members of the administrative staff of the Laboratory, the entries have been made, for the most part, under the division in which the subject matter is most applicable

Coauthors. – Since coauthors are sometimes from a Laboratory division different from that of the first author, a number(s) has been added indicating the regular division(s) of coauthors This number (the same division designations as given inside the back cover) is printed following the names of the authors Also under each division is a coauthor listing which gives the complete code number to locate entries for which the division supplied a coauthor The coauthor listing under Director's Division (05) also includes material by individual administrative staff members which was entered elsewhere on the basis of subject matter

Type of Entry – A mnemonic designation has been used to indicate the type of entry This should be particularly useful when consulting the Key Word or Author Indexes The designation B (book) is straightforward – ordinary books as available from publishers or dealers The J (journal) entries cover information published in periodicals and serials Proceedings of meetings and special supplements are included under journals, *if* they were

issued under the name of the journal, with volume and issue numbers The listing P (papers at professional meetings) covers only unclassified scientific meetings, regional or larger, which are open to the public Papers presented by staff members under the ORNL Traveling Lecture Program, at universities, civic clubs, or local section meetings of professional societies are *not* included Reports (R) include documents issued by the Laboratory or a governmental agency that are available to the public Except where noted, all reports can be obtained from CFSTI for $3 00 for a hard copy or $0 65 for a micronegative copy See page viii for details The T (theses) list covers theses or dissertations written at the Oak Ridge National Laboratory in cooperation with a university as partial fulfillment of the requirements for an advanced degree granted by the university This is part of the Laboratory's Educational Assistance Program

Year. — Since it is intended to continue the numbering system used in this document in future years, the last digit of the calendar year is included in the code number

File Number — These are simply file numbers, assigned one to each entry, needed to permit indexing and to aid in requesting reprints of specific articles

Abbreviations Used. — In order to conserve space, the names of journals and of professional meetings have been abbreviated according to the listing in *Chemical Abstracts, List of Periodicals* The names of journals and meetings not abstracted by *Chemical Abstracts* have been abbreviated with the aid of the "Journal Title Word Abbreviations" appearing at the front of the *List of Periodicals*

The names of book publishers and sales agencies have been shortened as is done in *Chemical Abstracts*

The names of states have been omitted for the largest cities in the United States, and the names of countries have been omitted for some major foreign cities

KEY WORD INDEX

After the main listing is a Key Word Index in which the key words from each title in the main list have been arranged alphabetically down the center of the page Thus each title will appear in the index as many times as there are key words in the title To the right of each of these lines is the code number for locating the complete listing in the first section of this document (Here the code number will identify the entry to the user as a book, journal article, paper at meeting, report, or thesis)

Some of the limitations in such a title word index prepared by a computer must be noted

When the length of a title is such that it cannot be given on one line, part or parts of the title are deleted If more of the title is needed to identify the research, it will be necessary to use the code number and inspect the complete title listed in the first section

Numerical entries contained in the title appear after the alphabetical sequence

A Roman number following an element indicates the valence Isotope mass numbers are indicated by a hyphen and an Arabic number following the element, as in URANIUM-238 To provide some additional useful entries, many words are divided into shorter words, for example, dimethylether is divided into di, methyl, and ether The computer has no lower-case type, therefore, Greek letters, chemical symbols, formulas, elements, and compounds are written out in full

NOTICE

In converting the computer program that produces the KWIC index for use on newer data-processing equipment, changes were made that induced a one-character truncation of the permuted titles In every case, only one letter has been deleted, and this is the far-right letter of the permuted title Refinement of the program will remedy this problem in the future

AUTHOR INDEX

The Author Index, the third part of this document, provides an alphabetical listing of all authors whose names appear in the main listing By each name is the code number for locating the complete listing in the first section No distinction is made for entries with multiple authors — each author is listed separately and the code number given

All of the authors listed are not necessarily at the Oak Ridge National Laboratory, however, the work listed was done at the Laboratory or in cooperation with a member of the Laboratory staff Editors of books as listed are members of the Laboratory staff

REQUESTS FOR REPRINTS

Subject to supply, reprints are available free of charge for many of the journal articles and a few of the sections of books If reprints are available from the Laboratory, the word REPRINT appears at the end of the entry NO REPRINT, of course, means that none are available

Requests for reprints of articles listed under all divisions except the Biology Division and the Molecular Anatomy Program should be addressed to

Name of author
Oak Ridge National Laboratory
P O Box X
Oak Ridge, Tennessee 37830, U S A

Requests for reprints of articles listed under Biology should be addressed to

Biology Division
Oak Ridge National Laboratory
P O Box Y
Oak Ridge, Tennessee 37830, U S A

Requests for reprints of articles listed under Molecular Anatomy Program should be addressed to

Molecular Anatomy Program
Oak Ridge National Laboratory
P O Box P
Oak Ridge, Tennessee 37830, U S A

For information regarding papers presented at professional meetings, the author should be contacted

Documents listed as reports are available for use at the Atomic Energy Commission Depository Libraries, or copies may be purchased for $3 00 for a hard copy or $0 65 for a micronegative from

Clearinghouse for Federal Scientific
and Technical Information
5285 Port Royal Road
Springfield, Virginia 22151, U S A

The document number (ORNL-, TID-, etc) must be used for orders to the Clearinghouse for Federal Scientific and Technical Information They do not use the indexing code numbers assigned to the documents listed here

MAIN LISTING

Analytical Chemistry Division (01)

01-B8-13189 A SEMI-AUTOMATED FILTER PAPER DISK TECHNIQUE FOR THE DETERMINATION OF TRANSFER RIBO NUCLEIC ACID
GOLDSTEIN, G. + MADDOX, W. L. + RUBIN, I. B.
VOL.1, PP 47-49, AUTOMATION IN ANALYTICAL CHEMISTRY, TECHNICON
SYMP., NEW YORK, OCT.1967, MEDIAD, WHITE PLAINS, N.Y.,
1968 NO REPRINT

01-B8-13557 IDENTIFICATION OF URINARY CONSTITUENTS ISOLATED BY ANION EXCHANGE CHROMATOGRAPHY
BURTIS, C. A. + WARREN, K. S.
03
PP 290-301, URINARY CONSTITUENTS OF LOW MOLECULAR WEIGHT, PROC
SYMP., OAK RIDGE, NOV.-DEC 1967, HARPER-ROW, NEW YORK, 1968
REPRINT

01-B8-13755 RECENT ADVANCES IN ANALYTICAL EMISSION SPECTROSCOPY
YOAKUM, A M.
PP 57-66, DEVELOPMENTS IN APPLIED SPECTROSCOPY (ED. BY W. K.
BAER, A. J. PERKINS, AND E. L GROVE), PLENUM, NEW YORK, 1968
NO REPRINT

01-J8-13001 A VOLTAMMETRIC METHOD FOR FLUORIDE
ZITTEL, H E + FLORENCE, T M
ANAL. CHIM. ACTA 40, 27-32 (1968) REPRINT

01-J8-13003 RAPID CALCULATION OF SENSITIVITIES, INTERFERENCES, AND OPTIMUM BOMBARDING ENERGIES IN HELIUM-3
ACTIVATION ANALYSIS
RICCI, E. + HAHN, R. L
04
ANAL. CHEM 40, 54-60 (1968) REPRINT

01-J8-13015 ANALYTICAL APPLICATIONS OF THE SECONDARY EFFECTS OF RADIATION - PRECISION PHOTOMETRY USING A
RADIOISOTOPIC LIGHT SOURCE
ROSS, H. H.
RECORD CHEM PROGR 28, 261-78 (1967) REPRINT

01-J8-13017 EFFECTS OF GAMMA RADIATION ON SPECTROPHOTOMETRIC DETERMINATION OF URANIUM AS THIOCYANATE
ZITTEL, H F. + SCROGGIE, L E
ANAL. CHIM. ACTA 40, 277-83 (1968) REPRINT

01-J8-13036 CHLORINE PRODUCTION BY GAMMA RADIOLYSIS OF ACID CHLORIDE SOLUTIONS AND ITS EFFECT ON ANALYTICAL
PROCEDURES
KUROTA, H
ANAL. CHEM. 40, 271-74 (1968) REPRINT

01-J8-13038 PARTICLE SIZE DISTRIBUTION OF PARTICLES FROM 10 TO 2000 MICRONS BY SEDIMENTATION ANALYSIS
BATE, L C. + DYER, F F
ANAL. CHEM 40, 468-70 (1968) REPRINT

01-J8-13075 THE RECOIL TECHNIQUE AND ITS POSSIBLE USE IN ACTIVATION ANALYSIS
HAHN, R. L.
ANAL. CHEM. 40, 219-21 (1968) REPRINT

01-J8-13163 A FILM RECORDING RADIATION EVENT MONITOR FOR PULSED X AND GAMMA RADIATION
DYER, F. F. + BATE, L. C. + THACKER, L. H
09
NUCL INSTR. METHODS 58, 157-60 (1968) REPRINT

01-J8-13194 HALF-LIVES OF RADIONUCLIDES III
REYNOLDS, S. A + EMERY, J. F. + WYATT, E. I.
NUCL. SCI. ENG. 32, 46-48 (1968) REPRINT

01-J8-13207 NUCLEONICS
LYON, W. S. + RICCI, E. + ROSS, H. H.
ANAL. CHEM. 40(5), 168R-74R (1968) REPRINT

01-J8-13264 RADIATION AND THERMAL STABILITY OF SPRAYS
ZITTEL, H. E. + ROW, T. H.
16
TRANS. AM. NUCL. SOC. 11, 375-76 (1968) NO REPRINT

01-J8-13286 SURFACE IONIZATION III. THE FIRST IONIZATION POTENTIALS OF THE LANTHANIDES
HERTEL, G. R.
J. CHEM. PHYS 48, 2053-58 (1968) REPRINT

01-J8-13301 CONTROLLED POTENTIAL DIFFERENTIAL DC POLAROGRAPHY V. SUBTRACTIVE POLAROGRAPHY
SHULTS, W. D., II + FISHER, D J + SCHAAP, W B.
CHEM. INSTRUMENTATION 1, 7-20 (1968) REPRINT

01-J8-13302 ON THE SEPARATION OF HALF WAVE POTENTIALS REQUIRED FOR RESOLUTION OF SIMPLE, REVERSIBLE, OVERLAPPING WAVES IN STATICNARY ELECTRODE VOLTAMMETRY
MUELLER, T. R.
CHEM. INSTRUMENTATION 1, 113-18 (1968) REPRINT

01-J8-13303 AN AUTOMATIC SAMPLER FOR OBTAINING DISCRETE SAMPLES FROM THE OUTPUT OF AN CONTINUOUS FLOW ANALYZER
MADDOX, W. L. + KELLEY, M. T.
CHEM. INSTRUMENTATION 1, 105-111 (1968) REPRINT

01-J8-13317 DISPROPORTIONATION OF ELECTROCHEMICALLY GENERATED URANIUM(V) IN MOLTEN LITHIUM FLUORIDE - BERYLLIUM FLUORIDE - ZIRCONIUM FLUORIDE AT 500C
MANNING, D. L. + MAMANTOV, G.
J. ELECTROANAL. CHEM. 18, 137-41 (1968) REPRINT

01-J8-13326 RESOLUTION OF COMPLEX MIXTURES OF NUCLEIC ACID BASES, NUCLEOSIDES, AND NUCLEOTIDES BY TWO-DIMENSIONAL THIN LAYER CHROMATOGRAPHY ON POLY ETHYLENE IMINE CELLULOSE
RAAEN, H P + KRAUS, F. E
J. CHROMATOG. 35, 531-37 (1968) NO REPRINT

01-J8-13330 TERMINAL NUCLEOSIDE ASSAY OF RIBO NUCLEIC ACID BY LIGAND EXCHANGE CHROMATOGRAPHY
BURTIS, C. A. + GOLDSTEIN, G.
ANAL. BIOCHEM. 23, 502-12 (1968) REPRINT

01-J8-13367 ELECTROCHEMICAL REDUCTION OF URANIUM(IV) IN MOLTEN LITHIUM FLUORIDE - BERYLLIUM FLUORIDE - ZIRCONIUM FLUORIDE
MAMANTOV, G. + MANNING, D. L.
J. ELECTROANAL. CHEM. 18, 309-14 (1968) REPRINT

01-J8-13429 CHROMATOGRAPHIC SOLVENT EXTRACTION ISOLATION OF BERKELIUM-249 FROM HIGHLY RADIOACTIVE SOLUTIONS AND ITS DETERMINATION BY BETA COUNTING
FARRAR, L. G. + COOPER, J. H. + MOORE, F. L.
ANAL. CHEM. 40, 1602-04 (1968) REPRINT

01-J8-13478 SOME PRACTICAL APPLICATIONS OF GAMMA-RAY SPECTRAL RESOLUTION TO RADIONUCLIDE DETERMINATION
PRUITT, M. E. + PRESTWOOD, S. H. + PARKER, H. A.
NUCL. APPL. 5, 253-59 (1968) REPRINT

01-J8-13521 NEUTRON ACTIVATION ANALYSIS WITH CALIFORNIUM-252 SOURCES
RICCI, E. + HANDLEY, T. H.
TRANS AM. NUCL. SOC. 11, 470 (1968) NO REPRINT

01-J8-13551 A GLOVEBOX SYSTEM FOR A SPECTROPHOTOMETER
COSTANZO, D A. + CORBIN, L T.
NUCL. APPL 5, 333 (1968) REPRINT

01-J8-13788 NEW EXTRACTION CHROMATOGRAPHIC METHOD FOR RAPID SEPARATION OF AMERICIUM FROM OTHER TRANSURANIUM ELEMENTS
MOORE, F. L.
ANAL CHEM 40, 2130-33 (1968) REPRINT

01-J8-13798 ELECTROMOTIVE FORCE MEASUREMENTS ON THE NICKEL - NICKEL(II) COUPLE IN MOLTEN FLUORIDES
JENKINS, H. W. + MAMANTOV, G. + MANNING, D. L.
J. ELECTROANAL CHEM 19, 385-89 (1968) REPRINT

01-J8-14012 ELECTRICAL AND ELECTROCHEMICAL TESTS OF PERFORMANCE OF POLAROGRAPHS I. NEEDS AND METHODS II. DIAGNOSTIC CRITERIA FOR ESTABLISHING THE DEGREE TO WHICH RECORDED POLAROGRAMS ARE ADVERSELY AFFECTED BY CIRCUIT PERFORMANCE
FISHER, D. J. + BELEW, W. L. + KELLEY, M. T.
CHEM. INSTR. 1, 225-31 (1968) REPRINT

01-J8-14016 A CONTROLLED POTENTIAL AND DERIVATIVE DC POLAROGRAPH FOR REGULAR AND FIRST AND SECOND DERIVATIVE DC POLAROGRAPHY - CIRCUITS, THEORY, AND PERFORMANCE CHARACTERISTICS - ADVANTAGES OF RAPID AND DERIVATIVE DC POLAROGRAPHY
FISHER, D J. + BELEW, W. L. + KELLEY, M. T.
CHEM. INSTR. 1, 181-220 (1968) REPRINT

01-J8-14026 IMPROVED THIN LAYER CHROMATOGRAPHIC SEPARATION OF AMANITA TOXINS ON SILICA GEL-G CHROMATOPLATES
RAAEN, H. P.
J. CHROMATOG. 38, 403-07 (1968) REPRINT

01-P8-0001 HOMOGENEOUS PRECIPITATIONS USING RADIOLYTICALLY GENERATED HYDROCHLORIC ACID
KUBOTA, H.
AM. CHEM. SOC., SAN FRANCISCO, MAR.31-APR.5,1968

01-P8-0002 ELECTRONIC INSTRUMENTATION
KELLEY, M. T.
AUSTRALIAN CONF. ELECTROCHEM., MELBOURNE, AUSTRALIA,
FEB.19-23,1968

01-P8-0003 A CELL DESIGN FOR MINIMIZING IR ERROR IN CONTROLLED POTENTIAL POLAROGRAPHY
BELEW, W. L. + FISHER, D. J. + KELLEY, M. T.
DEAN, J. A.
AUSTRALIAN CONF. ELECTROCHEM., MELBOURNE, AUSTRALIA,
FEB.19-23,1968

C1-P8-0004 ELECTROREDUCTION OF URANIUM(IV) IN MOLTEN LITHIUM FLUORIDE - BERYLLIUM FLUORIDE - ZIRCONIUM FLUORIDE AT FAST SCAN RATES AND SHORT TRANSITION TIMES
MANNING, D. L. + KELLEY, M. T + MAMANTOV, G.
AUSTRALIAN CONF. ELECTROCHEM., MELBOURNE, AUSTRALIA,
FEB 19-23,1968

C1-P8-0005 A TRANSPIRATION METHOD FOR THE DETERMINATION OF URANIUM(III) IN RADIOACTIVE MOLTEN SALT REACTOR FUEL
DALE, J M + APPLE, R F + MEYER, A. S., JR.
AM CHEM SOC., SAN FRANCISCO, MAR.31-APR.5,1968

C1-P8-0006 ABSORPTION SPECTRA OF SEVERAL TRANSITION METAL IONS IN MOLTEN FLUORIDE SOLUTION
YOUNG, J P.
AM. CHEM SOC., SAN FRANCISCO, MAR 31-APR.5,1968

C1-P8-0007 DISPROPORTIONATION OF ELECTROCHEMICALLY GENERATED URANIUM(V) IN MOLTEN LITHIUM FLUORIDE - BERYLLIUM FLUORIDE - ZIRCONIUM FLUORIDE AT 500C
MAMANTOV, G. + MANNING, D. L
AM. CHEM. SOC., SAN FRANCISCO, MAR 31-APR 5,1968

C1-P8-0353 STANDARD GAMMA-RAY SPECTRA OF THE ELEMENTS FOLLOWING 14-MEV NEUTRON IRRADIATIONS
STRAIN, J. E.
CONF SMALL ACCELERATORS TEACHING AND RES., OAK RIDGE, TENN ,
APR 8-10,1968

C1-P8-0354 OPERATIONAL AMPLIFIER SYSTEMS IN ELECTROANALYTICAL CHEMISTRY AT ORNL
KELLEY, M. T.
AM CHEM. SOC , REG MEET , AKRON, OHIO, MAY 9-10,1968

C1-P8-0355 BEAM SPLITTER FOR USE IN CALIBRATING SPECTROGRAPHIC EMULSIONS
FELDMAN, C
SOC. APPL SPECTRY , CHICAGO, MAY 13-17,1968

C1-P8-0356 RADIATION AND THERMAL STABILITY OF SPRAYS
ZITTEL, H. E. + ROW, T. H
16
AM NUCL. SOC., TORONTO, JUNE 9-13,1968

C1-P8-0674 THE EFFECTS OF RADIATION ON SOME ANALYTICAL METHODS
ZITTEL, H E.
SOC. ANAL. CHEM., NOTTINGHAM, ENGLAND, JULY 15-19,1968

C1-P8-0675 FRACTIONATION OF HUMAN URINE BY GEL CHROMATOGRAPHY
BURTIS, C A
AM. ASSOC. CLIN. CHEM., WASHINGTON, D.C., AUG.19-23,1968

C1-P8-0676 VOLTAMMETRIC STUDIES OF CHROMIUM(II) IN MOLTEN LITHIUM FLUORIDE - BERYLLIUM FLUORIDE - ZIRCONIUM FLUORIDE AT 500C
MANNING, D. L. + DALE, J. M.
AM. CHEM. SOC , ATLANTIC CITY, N.J., SEPT.8-13,1968

C1-P8-0677 SPECTROPHOTOMETRIC STUDIES OF SOLUTE SPECIES IN MOLTEN FLUORIDE MEDIA
YOUNG, J. P
AM. CHEM. SOC., ATLANTIC CITY, N.J., SEPT 8-13,1968

C1-P8-1093 NEUTRON ACTIVATION ANALYSIS WITH CALIFORNIUM-252 SOURCES
RICCI, E + HANDLEY, T. H.
AM. NUCL. SOC., WASHINGTON, D.C , NOV.10-15.1968

C1-P8-1094 NEUTRON ACTIVATION ANALYSIS OF BRAIN FOR COPPER AND MANGANESE
BIRD, E. D. + EMERY, J. F. + LUPICA, S. B
LYON, W S.
INTERN. CONF. MODERN TRENDS ACTIVATION ANAL , GAITHERSBURG, MD.,
OCT.7-11,1968

C1-P8-1095 INFLUENCE OF CHANNELING IN CUSTOMARY HELIUM-3 ACTIVATION ANALYSIS
RICCI, E
INTERN. CONF. MODERN TRENDS ACTIVATION ANAL., GAITHERSBURG, MD.,
OCT.7-11,1968

C1-P8-1096 AN ULTRASENSITIVE ISOTOPE DILUTION METHOD FOR THE DETERMINATION OF L AMINO ACIDS
RUBIN, I. B. + GOLDSTEIN, G.
AM CHEM. SOC., SE REG. MEET , TALLAHASSEE, FLA., DEC 4-7,1968

C1-P8-1097 PROTON REACTION ANALYSIS FOR LITHIUM AND FLUORINE IN GRAPHITE
HANDLEY, T. H + MACKLIN, R L. + GIBBONS, J H.
13
AM CHEM. SOC., SE REG MEET , TALLAHASSEE, FLA., DEC 4-7,1968

C1-P8-1098 LOW LEVEL GAMMA-RAY SPECTROMETRY FOR GEOCHEMICAL AND LUNAR SAMPLES
ELDRIDGE, J. S + MCKAY, V A + OKELLEY, C. D.
WINTENBERG, R. E. + BELL, P R
09
CONF ANAL. CHEM. NUCL. TECHNOL , 12TH, GATLINBURG, TENN.,
OCT 8-10,1968

C1-P8-1099 A STUDY OF PARAMETERS AFFECTING ANALYTICAL ALPHA SPECTROMETRY
HANDLEY, T. H. + COOPER, J H.
CONF. ANAL. CHEM. NUCL. TECHNOL , 12TH, GATLINBURG, TENN ,
OCT.8-10,1968

C1-P8-1100 MASS SPECTROMETRIC ANALYSIS OF ACTINIDE ELEMENTS
EBY, R E.
CONF ANAL. CHEM. NUCL. TECHNOL., 12TH, GATLINBURG, TENN.,
OCT.8-10,1968

01-P8-1101 EXPERIENCES IN OPERATING THE TRANSURANIUM ANALYTICAL FACILITY AT ORNL
MEYER, H. C + PEELE, J. M.
CONF. ANAL. CHEM. NUCL. TECHNOL., 12TH, GATLINBURG, TENN.,
OCT.8-10,1968

01-P8-1102 STANDARD REFERENCE MATERIALS FOR ENVIRONMENTAL POLLUTION ANALYSIS AS VIEWED BY THE LABORATORY SUPERVISOR - A STATUS REPORT
WHITE, J. C.
CONF ANAL. CHEM NUCL. TECHNOL., 12TH, GATLINBURG, TENN.,
OCT.8-10,1968

01-P8-1103 ELECTRODIALYSIS AS AN AID TO SPECTROCHEMISTRY
FELDMAN, C.
PACIFIC. CONF. CHEM. SPECTRY., SAN FRANCISCO, NOV.7,1968

01-R8-0145 CUMULATIVE INDEXES TO THE ANALYTICAL-CHEMISTRY DIVISION ANNUAL PROGRESS REPORTS, 1964-1967
RAAEN, H. P. + KLEIN, A S., EDITORS
21
ORNL-3904(REV.2)

01-R8-0146 ANALYTICAL-CHEMISTRY DIVISION ANNUAL PROGRESS REPORT FOR PERIOD ENDING OCT.31,1967
KELLEY, M T., DIRECTOR
ORNL-4196

01-R8-0147 THE DESIGN AND EVALUATION OF A DELAYED NEUTRON LEACHED HULL MONITOR
STRAIN, J. E. + ROSS, W. J. + WEST, G A.
LANDRY, J. W.
C3
ORNL-4135

01-R8-0207 MODIFICATIONS OF THE ORNL MODEL-Q-2564 HIGH SENSITIVITY COULOMETRIC TITRATOR
MUELLER, T R. + JONES, H. C. + FISHER, D. J.
STELZNER, R W
ORNL-TM-2175

01-R8-0208 SPECTROPHOTOMETRIC DETERMINATION OF TOTAL PLUTONIUM - OBSERVATIONS ON THE REACTIONS BETWEEN ARSENAZO AND PLUTONIUM(III), PLUTONIUM(IV), AND PLUTONIUM(VI)
GUYON, J. C + STCKELY, J. R. + SHULTS, W. D., II
ORNL-TM-2108

01-R8-0867 ANALYTICAL CHEMISTRY DIVISION ANNUAL PROGRESS REPORT FOR PERIOD ENDING SEPT.30,1968
KELLEY, M. T., DIRECTOR
ORNL-4343

01-P8-13383 BASIC CONCEPTS OF ACTIVATION ANALYSIS
LYON, W. S
PP 439-54, RADIOISOTOPES IN MEDICINE - IN VITRO STUDIES, PROC.
SYMP., OAK RIDGE, NOV 1967, CONF-671111 $3.00 NO REPRINT

01-R8-13439 STANDARD GAMMA-RAY SPECTRA OF THE ELEMENTS FOLLOWING 14-MEV NEUTRON IRRADIATIONS
STRAIN, J. E.
PP 48-55, THE USE OF SMALL ACCELERATORS FOR TEACHING AND RESEARCH,
PROC. CONF., OAK RIDGE, APR 1968, CONF-680411 $3 OC

01-T8-1318 THE CHEMISTRY OF SEVERAL HEXO CHLORO PLATINATES(IV) AND THEIR USE IN THE ISOLATION OF CARRIER-FREE PLATINUM-197
ARMENTO, W. J
GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA, GA., PHD

The entries represented by the code numbers listed below have been listed under the division of the first author but have a coauthor from this division

03-B8-13746	04-P8-1125	11-P8-0522	14-R8-1051
03-J8-13111	07-P8-0451	13-J8-13477	18-B8-13681
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FITZGERALD, C. L. + GODBEE, H. W. + DAVIS, M. H.
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C3-R8-0151 HOT CELL EVALUATION OF THE GRIND-LEACH PROCESS II. RECOVERY OF URANIUM AND THORIUM FROM IRRADIATED PYROLYTIC CARBON COATED SOL-GEL THORIA - URANIA PARTICLES
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KING, L. J., COMPILER
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RYON, A D
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BAYBARZ, R. D. + ORR, P. B., JR
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HELTON, D. M. + BELL, J T + KROHN, N. A
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GROENIER, W. S. + WHATLEY, M E
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NICOL, R. G. + MCDUFFEE, W. T , JR.
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MAILEN, J C + GATHERS, G I
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13 + 18
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RAO, P V + OKELLEY, G D
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BUSING, W. R + ELLISON, R. D. + LEVY, H. A
KING, S P. + ROSEBERRY, R T
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TAYLOR, E. H., DIRECTOR
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OBRIEN, H A , JR.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., PHD

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ROCHE, M. F
UNIVERSITY OF MISSOURI, COLUMBIA, MO., PHD

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SHOR, A J.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., PHD

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UNIVERSITY OF MISSOURI, COLUMBIA, MO., PHD

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ECKART, M D
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., PHD

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VANDERBILT UNIVERSITY, NASHVILLE, TENN., PHD

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HAGENAUER, R. C
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN , PHD

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DRESNER, L + CHESTER, C V
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NORTHWESTERN UNIVERSITY, EVANSTON, ILL., PHD

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03-B8-13103	06-J8-13727	16-B8-13153	16-P8-0827	18-J8-13042	25-J8-13319
04-R8-13448	10-J8-13218	16-J8-13027	16-P8-1501	18-J8-13139	25-J8-13425
04-J8-13016	10-J8-13324	16-J8-13051	16-P8-1515	18-J8-13143	25-J8-13569
04-J8-13176	13-J8-13056	16-J8-13087	16-P8-1518	18-J8-13172	25-J8-14023
04-J8-13177	13-J8-13157	16-J8-13348	16-P8-2028	18-P8-0130	25-P8-1302
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ROCHE, M F. + TOTH, K. S + HAHN, R. L.
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HUNGERFORD, E. F. + ADAM, I. + MEYER, R A
TOTH, K. S.
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MALANIFY, J. J. + GINAVEN, R D. + GROSS, E E.
HUNGERFORD, E. V , III + RUTKOWSKI, R. W.
VAN DER WOUDE, A. + ZUCKER, A.
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BALL, J B + AUBLE, R. L + DRISKO, R M.
ROOS, P. G.
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FULMER, C. B. + TOTH, K. S. + HANDLEY, T. H.
WILLIAMS, I R. + DELL, G F. + CALLIS, E L
JENKINS, T. M. + WYCKOFF, J. W.
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VOURVOPOULOS, G. + SHOUP, R. + FOX, J. D.
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WILDENTHAL, B. H. + AUBLE, R L. + NEWMAN, E , JR
NOLEN, J. A.
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NEWMAN, E., JR + WILDENTHAL, B H
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TOTH, K. S + HAHN, R L + ROCHE, M. F
BRENNER, D. S.
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BHATT, K. H. + PARIKH, J C + SVENNE, J. P
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MADDEN, E.
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09-R8-1017 A COMPUTER AIDED STUDY OF A 600 MEGAHERTZ DECADE SCALING SYSTEM
REEDY, E K
ORNL-TM-2214

09-R8-1018 COMPUTER PLOTTING OF DATA FROM THE MOBILE AMPHIBIOUS DETECTION SYSTEM USED IN RADIOACTIVE ISOTOPE SAND TRACER STUDIES
BRASHEAR, H. R. + SIMPSON, R. L. + ACREE, F H
CASE, F. N. + CUTSHALL, N H. + JOHNS, J C.
10 + 25
ORNL-TM-2212

09-R8-13412 TARGET PLASMA EXPERIMENTS IN THE INTEREM FACILITY
BECKER, M C + BLUE, C W + DANDL, R A.
FASON, H O. + ENGLAND, A C + LAZAR, N. H
MATLOCK, O. D + MCGUFFIN, M W
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CAMPBELL, D. W.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., MS

09-T8-1349 THE DEVELOPMENT OF A NEUTRON PROPORTIONAL COUNTER FOR USE IN A HIGH GAMMA FLUX
DANDORTH, H. P., JR.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN , MS

09-T8-1350 SYNTHESIS OF A DIRECTLY COUPLED, WIDEBAND, DELAY LINE BRIDGE
PAULUS, T. J.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN , MS

09-T8-1351 SWITCHING TIME OF IDEALIZED REGENERATIVE CIRCUITS
ROCHELLE, J. M.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN , MS

09-T8-1352 A COMPUTER AIDED STUDY OF A 600 MEGAHERTZ DECADE SCALING SYSTEM
REEDY, E. K.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., PHD

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TANGTHIENG, S.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN , MS

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04-R8-0157	12-P8-0085	13-P8-1216
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CARLSON, T. A. + MALIK, F. B.
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TITTLE, R L.
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ORNL-4225

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HANNON, B. H. + MORRIS, W L.
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10-R8-0263 EVALUATION OF MAXIMUM LIKELIHOOD ESTIMATES OF PARAMETERS IN MIXTURES OF NORMAL DISTRIBUTIONS
GOSSLEE, D G. + BOWMAN, K O.
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10-R8-0858 THEORY OF AN INITIAL BOUNDARY VALUE PROBLEM OCCURRING IN THE STUDY OF FISSION PRODUCT DEPOSITION
NELSON, P , JR. + KRESS, T. S.
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ALTOM, D W + MORRIS, W L
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10-R8-0889 SOME TOPICS IN NUMERICAL ANALYSIS
STEWART, G W , III
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MODE, C J
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NESTOR, C. W., JR
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LEVER, W. E.
FLORIDA STATE UNIVERSITY, TALLAHASSEE, FLA , PHD

10-T8-1355 THE DISCRETIZATION ERROR IN FINITE DIFFERENCE SOLUTIONS TO THE LINEARIZED NAVIER-STOKES EQUATIONS FOR INCOMPRESSIBLE FLUID FLOW AT LARGE REYNOLDS NUMBERS
BOUGHNER, R. T.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., MS

10-T8-1356 AN EXTRAPOLATION ALGORITHM FOR SPECIAL ORDINARY INITIAL VALUE PROBLEMS BASED ON AN ELEMENTARY TRIGONOMETRIC MULTISTEP FORMULA
HAMMONS, C. E
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., MS

10-T8-1357 SOME TOPICS IN NUMERICAL ANALYSIS
STEWART, G. W., III
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., PHD

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DAVIS, H L
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GEHLBACH, R. F. + MCCOY, H E.
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11-P8-0064 THE OBSERVATION OF GAS BUBBLES IN SOLIDS
STIEGLER, J. O. + FARRELL, K.
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11-P8-0065 A SMALL ANGLE X-RAY SCATTERING INVESTIGATION OF INHOMOGENEITIES IN ALUMINUM - ZINC ALLOYS
HENDRICKS, R W + CARPENTER, R W. + GOULD, R W
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11-P8-0066 EFFECT OF GAS BUBBLES ON RECRYSTALLIZATION AND GRAIN GROWTH IN TUNGSTEN
SCHAFFHAUSER, A C + HOUSTON, J. T + FARRELL, K
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WEAVER, S. C. + SPRUIELL, J. E.
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LOH, B. T. M.
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FARRELL, K + HOUSTON, J. T
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BLOOM, E E. + STIEGLER, J O.
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RITTENHOUSE, P L + HOBSON, D O
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FEB.25-MAR 1,1968

11-P8-0075 THERMODYNAMIC CONSIDERATIONS OF THE CHEMICAL VAPOR DEPOSITION PROCESS
ROBINSON, W. C., JR. + FEDERER, J. I
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MARTIN, W. R. + DEAN, C W. + MCDONALD, R. E.
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DAVIS, H. L. + FAULKNER, J S
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SCOTT, J L. + WEAVER, S. C.
AM. INST. CHEM ENGRS , PHILADELPHIA, MAR 31-APR 5,1968

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BEAVER, R. J. + MARTIN, M. M.
AM INST CHEM. ENGRS , PHILADELPHIA, MAR 31-APR 5,1968

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DEVAN, J. H
NATL ASSOC. CORROSION ENGRS., CLEVELAND, MAR 18-21,1968

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KLUEH, R. L
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CANONICO, D A. + MCCOY, H. E., JR.
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WEIR, J. R , JR. + STIEGLER, J. O.
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POTEAT, L. E. + MORGAN, C. S., JR.
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11-P8-0503 THE THERMAL CONDUCTIVITY, ELECTRICAL RESISTIVITY AND SEEBECK COEFFICIENT OF URANIUM MONO NITRIDE FROM 77-400K
MOORE, J. P. + FULKERSON, W. + MCELROY, D L.
AM. CERAM. SOC., CHICAGO, APR 20-25,1968

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DAVIS, H. L.
AM. PHYS. SOC , WASHINGTON, D C , APR.22-25,1968

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BETTERTON, J O , JR + SCARBROUGH, J O.
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11-P8-0507 STATUS OF TUNGSTEN METALLURGY PROGRAM AT ORNL
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FULKERSON, W.
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11-P8-0510 STATUS OF PROGRAM ON LITHIUM CORROSION OF REFRACTORY ALLOYS AT ORNL
DEVAN, J H. + FLEISCHER, B + LITMAN, A. P
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11-P8-0511 CREEP - RUPTURE PROPERTIES OF TUNGSTEN AND TUNGSTEN ALLOYS
STEPHENSON, R. L
RDT/SNS MEET MATER. DEVELOP. SPACE REACTOR POWER SYSTEMS,
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INOUYE, H
AM. INST. MINING, MET., PETROL. ENGRS REFRACTORY METALS SYMP.,
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FITTS, R. B. + LOTTS, A. L.
HIGH-TEMP. FUELS COMM. MEET., WINDSOR, CONN., APR.30-MAY 2,1968

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LITMAN, A. P. + LEONARD, W. J. + LLOYD, D. B.
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AEC CORROSION SYMP., COLUMBUS, OHIO, MAY 6-8,1968

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AEC CORROSION SYMP , COLUMBUS, OHIO, MAY 6-8,1968

11-P8-0518 CORROSION OF HASTELLOY-N ALLOYS IN SODIUM FLUORO BORATE COOLANTS FOR MOLTEN SALT REACTORS
LITMAN, A. P. + KOGER, J. W.
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11-P8-0519 MASS TRANSFER PHENOMENA IN REFRACTORY METAL - LITHIUM SYSTEMS
SESSIONS, C. E. + DEVAN, J. H
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11-P8-0520 THE EFFECT OF OXYGEN IN SODIUM ON THE COMPATIBILITY OF SODIUM WITH TANTALUM AND NIOBIUM
KLUEH, R. L
AEC CORROSION SYMP , COLUMBUS, OHIO, MAY 6-8,1968

11-P8-0521 VAPOR FABRICATION OF TUNGSTEN - RHENIUM ALLOYS
FEDERER, J. I. + ROBINSON, W. C. + REIMANN, G. A
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EMERY, J F.
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EASTON, D. S. + BETTERTON, J. O., JR
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SPRUIELL, J. E.
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COPELAND, G L + MARTIN, M M + HARMAN, D. G
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11-P8-0526 MECHANISMS OF SWELLING AND GAS RELEASE IN NUCLEAR MATERIALS
SCOTT, J L.
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MCCLUNG, R W.
INTERAM. CONF. MATER. TECHNOL , SAN ANTONIO, TEX , MAY 20-24,1968

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KING, R. T. + WEIR, J R., JR
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MARTIN, M. M. + ERWIN, J H + MARTIN, W. R.
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COX, C. M. + WILSDORF, H C F.
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STIEGLER, J O. + BLOOM, E. E. + WEIR, J. R
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11-P8-0532 COMPATIBILITY OF FLUORO BORATE COOLANT SALTS WITH HASTELLOY-N FOR MOLTEN SALT REACTORS
LITMAN, A. P. + KOGER, J. W.
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11-P8-0533 COMPATIBILITY OF A TYPE 316 STAINLESS STEEL - NAK-78 - NIOBIUM-ZIRCONIUM(0.01) ALLOY HEAT REJECTION SYSTEM
LITMAN, A P. + LEONARD, W J + LLOYD, D B
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AM. NUCL. SOC., TORONTO, JUNE 9-13,1968

11-P8-0534 EVALUATION OF URANIUM - MOLYBDENUM(0.10) ALLOY AND CONSIDERATION OF AN ALTERNATE ALLOY FOR PULSE REACTOR CORES
LITMAN, A. P. + LEONARD, W. J + LUNDIN, M. I.
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11-P8-0535 FLAME REACTOR PREPARATION OF FISSIONABLE OXIDE POWDERS
FEDERER, J. I + ROBINSON, W. C , JR. + PRATT, R. B
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11-P8-0536 FLUORIDE SALTS FOR HEAT TRANSFER APPLICATIONS
LITMAN, A. P. + MCCOY, H. E. + DEVAN, J. H
AM NUCL. SOC., TORONTO, JUNE 9-13,1968

11-P8-0537 EVALUATION OF THE HIGH TEMPERATURE CREEP PROPERTIES OF REFRACTORY METAL ALLOYS IN VACUUM
STEPHENSON, R L
AM. VACUUM SOC , BEVERLY HILLS, CALIF , JUNE 10-13,1968

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MILLER, J. L., JR
AEC METALLOG GROUP MEET , SAN DIEGO, CALIF., JUNE 19-21,1968

11-P8-0539 AN ALPHA METALLOGRAPHY FACILITY
GRAY, R. J. + LESLIE, B. C.
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CROUSE, R. S + GRAY, R. J.
AEC METALLOG GROUP MEET., SAN DIEGO, CALIF., JUNE 19-21,1968

11-P8-0542 ELECTRON MICROSCOPE - MICROPROBE ANALYSIS OF PRECIPITATION
GEHLBACH, R. E.
AEC METALLOG GROUP MEET , SAN DIEGO, CALIF., JUNE 19-21,1968

11-P8-0543 THE QUANTIMET TELEVISION MICROSCOPE - ITS OPERATION AND EVALUATION
KEGLEY, T. M., JR.
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11-P8-0544 FORMATION AND ANNEALING OF VOIDS IN STAINLESS STEELS AND ALUMINUM ALLOYS
WEIR, J. R. + KING, R. T + BLOOM, E E
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11-P8-0545 EFFECTS OF SMALL TITANIUM ADDITIONS ON HIGH TEMPERATURE RADIATION DAMAGE IN TYPE 304 STAINLESS STEEL, TYPE 316 STAINLESS STEEL, INCOLOY 800, AND HASTELLOY-N
WEIR, J. R. + BLOOM, E E. + HARMAN, D G.
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11-P8-0547 DEVELOPMENT OF A TITANIUM MODIFIED HASTELLOY WITH IMPROVED RESISTANCE TO RADIATION DAMAGE
MCCOY, H E., JR. + WEIR, J. R , JR
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11-P8-0548 LOW CYCLE FATIGUE STUDY OF NIOBIUM ALLOY D-43
SWINDEMAN, R. W.
AM SOC. TESTING MATER , SAN FRANCISCO, JUNE 23-28,1968

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BLOOM, E. E. + WEIR, J. R., JR.
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CARDEN, A. E. + SLADE, T. B.
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GEHLBACH, R. E. + MCCOY, H. E.
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DODD, C. V.
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11-P8-0789 COMMENTS ON SINTERING ACTIVATION ENERGY
MORGAN, C S.
AM. CERAM SOC , ST PAUL, MINN , SEPT 17-20,1968

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FRYE, J. H , JR
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DISTEFANO, J R
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11-P8-1147 PHASE TRANSFORMATIONS ASSOCIATED WITH THE SAMARIUM TYPE STRUCTURE IN THE GADOLINIUM - CERIUM SYSTEM
KOCH, C. C. + MCHARGUE, C J.
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CATHCART, J. V. + PETERSEN, G F.
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SPEAR, K. E + HARRISON, J D. L
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FITTS, R. B. + LOTTS, A L
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DEVAN, J H + KLUEH, R. L + JANSEN, D. H.
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STEPHENSON, R. L.
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11-P8-1163 THE COMPUTER - AN AID FOR ANALYZING AND PROCESSING CREEP-RUPTURE DATA
KING, R. T. + THOMAS, E. M., JR. + MCCOY, H. F.
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REIMANN, D. K. + LUNDY, T. S.
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11-P8-1165 BRAZING OF GRAPHITE FOR CRITICAL NUCLEAR APPLICATION
WERNER, W. J. + SLAUGHTER, G. M
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GUNKEL, R. W. + DONNELLY, R. G. + SLAUGHTER, G M.
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WOLFENDEN, A.
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LUNDY, T. S + PAWEL, R. E
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COPELAND, G T + MARTIN, M M + KING, R T.
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YUST, C. S. + MCHARGUE, C. J.
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FARRELL, K. + DUBOSE, C K. H. + STIEGLER, J. O.
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VANDERMEER, R. A + OGLE, J C
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WILLIAMS, R. O.
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NEWMAN, G. T. + SHORT, D. W.
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SESSIONS, C. E + MCCOY, H. E.
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LOH, B T. M. + BLOOM, E. E. + STIEGLER, J. O
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KLUEH, R. L.
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AM. PHYS. SOC., MIAMI, FLA., NOV 25-27,1968

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ZOBEL, W. + HILL, N W + TEXTOR, R
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STELSON, P. H. + ASHE, J. + NELLIS, D O.
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JOHNSON, E. B + NEWLON, C. E
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COLEMAN, W. A + ALSMILLER, R G , JR
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ALSMILLER, R. G , JR. + LEIMDORFER, M. + BARISH, J.
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ARMSTRONG, T. W
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BITTS, J J. + SOLOMITO, F., JR + STEVENS, P. N.
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CHAPMAN, G T + GIBBONS, J H. + MACKLIN, R L.
CUMBY, R P. + PARKER, H W.
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YOST, K. J. + KREMER, S M.
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ALSMILLER, R. G., JR. + BARISH, J. + BOUCHNER, R T.
ENGLE, W. W.
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12-R8-0169 PION - NUCLEON DIFFERENTIAL CROSS SECTIONS IN THE 0-700-MEV ENERGY REGION IN TERMS OF THE COULOMB SCATTERING AMPLITUDE, COULOMB PHASE SHIFTS, AND NUCLEAR PHASE SHIFTS UP TO ORBITAL ANGULAR MOMENTUM EQUALS 4
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ORNL-4197

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ALSMILLER, R. G., JR. + MORAN, H. S.
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TEXTOR, R. E. + VERBINSKI, V. V.
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ORNL-4105 NOT AVAILABLE FROM CFSTI

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BERTRAND, F. E. + LOVE, T. A. + BARON, N.
PEREY, F. G. + DICKENS, J. K.
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KISTNER, G. + MIHALCZO, J. T.
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ORNL-TM-1736

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STRAKER, E. A. + MYNATT, F. R.
ORNL-TM-1819

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ALSMILLER, R. G., JR. + MORAN, H. S.
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COLEMAN, W. A.
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CLIFFORD, C. E. + MUCKENTHALER, F. J. + MAERKER, R. F.
STRAKER, E. A. + MYNATT, F. R
ORNL-TM-1965

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BURRUS, W R + MADDEN, E. + MCNEW, C. O., JR
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BERTINI, H. W.
ORNL-TM-1996

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RITTS, J. J. + SOLOMITO, E , JR + STEVENS, P. N.
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MAGNUSON, D. W.
ORNL-TM-2082

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SILVER, E. G.
ORNL-TM-2129

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ARMSTRONG, T. W. + ALSMILLER, R. G., JR.
ORNL-TM-2100

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IRVING, D. C.
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LEIMDORFER, M.
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KINNEY, W E
ORNL-TM-2052

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FREESTONE, R M , JR
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STRAKER, E. A.
ORNL-4289 VOL 2

12-R8-0903 HIGH ENERGY MUON TRANSPORT AND THE MUON BACKSTOP FOR A 200-GEV PROTON ACCELERATOR
ALSMILLER, R. G., JR + LEIMDORFER, M. + BARISH, J
ORNL-4322

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MARUSAK, A. L.
ORNL-4299

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KINNEY, W E + PEREY, F G
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MAIENSCHEIN, F C., DIRECTOR
ORNL-4280

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BERTRAND, F. E + PEELLE, R. W. + LOVE, T A
HILL, N W. + BURRUS, W. R.
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12-R8-0909 SHIELDING CALCULATIONS FOR A 200-MEV PROTON ACCELERATOR
ALSMILLER, R. G., JR. + BARISH, J. + BOUGHNER, R. T
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GURNEY, J.
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SELPH, W. E. + CLAIBORNE, H. C.
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TRUBEY, D. K.
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SCOTT, W. W. + ALSMILLER, R. G , JR.
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SELPH, W. E.
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ORNL-TM-2206

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BLOSSER, T V. + THOMAS, G. E., JR.
ORNL-TM-2221

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ORNL-TM-2273

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WESTON, L. W. + GWIN, R. + DESAUSSURE, G.
FULLWOOD, R. R. + HOCKENBURY, R W.
ORNL-TM-2140

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SCHMIDT, F. A. R.
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ALSMILLER, R. G., JR. + BOUGHNER, R T
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ALSMILLER, R. G., JR. + BARISH, J.
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DRESS, W B
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HURAY, P G.
UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., PHD

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UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN , PHD

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UNIVERSITY OF TENNESSEE, KNOXVILLE, TENN., PHD

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BRANDON, C. A. + CUNEO, D. R. + ENGLE, G. B.
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WALBURG, H. E., JR. 02-P8-0362
WALBURG, H. E., JR. 02-P8-0397
WALBURG, H. E., JR. 02-P8-0421
WALBURG, H. E., JR. 02-P8-0422
WALBURG, H. E., JR. 02-P8-0423
WALBURG, H. E., JR. 02-P8-0424
WALKER, C. S. 09-J8-13023
WALKER, C. S. 16-R8-0968
WALLACE, R. A. 02-J8-3985
WALLACE, R. A. 02-J8-4005
WALLACE, R. A. 02-J8-4026
WALLACE, R. A. 02-J8-4104
WALLACE, R. A. 02-J8-4255
WALLACE, R. A. 02-P8-0360
WALLACE, R. A. 02-P8-1407
WALNE, P. L. 02-P8-0681
WALTER, R. L. 13-J8-13311
WALTON, D. 18-B8-13106
WALTON, D. 18-J8-13793
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WANTLAND, J. L. 16-T8-1380
WARD, T. G., JR. 04-J8-13176
WARD, T. G., JR. 04-J8-13177
WARD, W. T. 14-J8-13263
WARD, W. T. 14-P8-0100
WARD, W. T. 14-P8-0592
WARE, A. A. 19-R8-13351
WARNER, G. G. 08-P8-1461
WARNER, G. G. 08-R8-13322
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WARREN, K. S.	01-B8-13557
WARREN, K. S.	03-J8-13208
WARREN, K. S.	03-P8-0731
WARREN, K. S.	03-P8-1107
WASHBURN, T. N.	11-J8-13231
WASHBURN, T. N.	11-P8-0896
WATERS, L. C.	02-J8-4222
WATSON, C. D.	03-P8-0734
WATSON, C. D.	03-R8-0149
WATSON, C. D.	03-R8-0152
WATSON, C. D.	03-R8-0154
WATSON, C. D.	03-R8-0185
WATSON, C. D.	03-R8-0986
WATSON, C. D.	03-R8-13095
WATSON, G. M.	12-J8-13258
WATSON, G. M.	14-J8-13085
WATSON, G. M.	14-P8-0593
WATSON, G. M.	14-R8-13713
WATSON, J. S.	16-J8-13058
WATSON, J. S.	16-J8-13385
WAY, K.	13-J8-13056
WAY, K.	13-P8-0093
WEAVER, B.	03-J8-13066
WEAVER, B.	03-J8-13458
WEAVER, B.	03-J8-13483
WEAVER, B.	03-P8-0029
WEAVER, B.	03-P8-0030
WEAVER, C. F.	14-R8-1051
WEAVER, S. C.	11-P8-0067
WEAVER, S. C.	11-P8-0080
WEAVER, S. C.	11-R8-0277
WEBBER, B. B.	02-R8-4101
WEBBER, B. B.	02-J8-4064
WEBBER, B. B.	02-P8-0019
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WEBBER, B. B.	02-P8-0687
WEBBER, B. B.	02-P8-0706
WEBSTER, C. C.	28-R8-0335
WEBSTER, C. C.	28-R8-0342
WEBSTER, J. W.	12-J8-13155
WEBSTER, J. W.	12-J8-13541
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WECHSLER, M. S.	18-B8-13606
WECHSLER, M. S.	18-B8-13756
WECHSLER, M. S.	18-J8-13076
WECHSLER, M. S.	18-P8-0117
WECHSLER, M. S.	18-P8-0119
WECHSLER, M. S.	18-P8-0619
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WECHSLER, M. S.	18-R8-13692
WECHSLER, M. S.	18-R8-0202
WECHSLER, M. S.	18-R8-0327
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WEEKS, R. A.	18-J8-13178
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WEEKS, R. A.	18-P8-0839
WEEREN, H. O.	03-J8-13593
WEEREN, H. O.	08-R8-0886
WEGENER, H. H. F.	13-J8-13651
WEI, C. H.	02-P8-0679
WEINACHT, R. J.	10-J8-13576
WEINBERG, A. M.	05-J8-13028
WEINBERG, A. M.	05-J8-13134
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WEINBERG, A. M.	05-J8-13785
WEINBERGER, A. J.	04-J8-13657
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WERNER, W. J.	11-T8-1361
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WEST, K. W.	09-P8-1139
WESTON, L. W.	09-J8-13147
WESTON, L. W.	12-J8-13469
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WHATLEY, M. E.	03-R8-0149
WHATLEY, M. E.	03-R8-0152
WHATLEY, M. E.	03-R8-0154
WHATLEY, M. E.	03-R8-0185
WHATLEY, M. E.	03-R8-0868
WHATLEY, M. E.	03-R8-13097
WHEELER, H. B.	02-B8-4032
WHEELER, H. B.	02-J8-4024
WHEELER, H. B.	02-P8-0718
WHETSEL, H. B.	16-J8-13086
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WHITE, R. M.	13-J8-13416
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WHITING, A. R.	02-P8-0707
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WHITMAN, G. D.	16-P8-0176
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WHITSON, G. L.	02-J8-3922
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WHITSON, G. L.	02-J8-4089
WHITSON, G. L.	02-P8-0689
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WILDENTHAL, B. H.	07-J8-13790
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WILDENTHAL, B. H.	07-J8-14021
WILDENTHAL, B. H.	07-J8-14030
WILDENTHAL, B. H.	07-P8-0048
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WILDENTHAL, B. H.	13-J8-13220
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WILEMS, R. E.	08-R8-13612
WILEMS, R. E.	08-T8-1338
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WILKES, W. R.	19-J8-13100
WILKINSON, M. K.	18-R8-13761
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WILKINSON, M. K.	18-J8-13234
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WILLIAMS, F.	14-J8-13373
WILLIAMS, F.	14-P8-0104
WILLIAMS, G. R.	02-J8-3984
WILLIAMS, I. R.	04-J8-13183
WILLIAMS, I. R.	07-J8-13064
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WILLIAMS, J. M.	18-J8-13298
WILLIAMS, J. M.	18-P8-0116
WILLIAMS, M. L.	02-J8-4052
WILLIAMS, M. W.	08-J8-13041
WILLIAMS, M. W.	08-J8-13294
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WILLIAMS, M. W.	08-P8-0470
WILLIAMS, M. W.	08-P8-1477
WILLIAMS, M. W.	08-R8-0229
WILLIAMS, R. B.	02-J8-4327
WILLIAMS, P. K.	11-J8-13187
WILLIAMS, R. K.	11-P8-1160
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WILLIAMS, R. K.	11-R8-13743
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WILLIAMS, R. O.	11-J8-13061
WILLIAMS, R. O.	11-J8-13488
WILLIAMS, R. O.	11-P8-1180
WILLIAMS, R. T.	18-P8-0132
WILLIAMS, R. T.	18-P8-0838
WILLIS, D. D.	02-J8-3922
WILLMARTH, T. E.	03-R8-13746
WILLMARTH, T. E.	03-P8-1106
WILSDORF, H. G. F.	11-J8-13256
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WILSON, G. P.	02-J8-4065
WING, W. R.	19-P8-1273
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WITHERSPOON, J. P.	08-J8-13113
WITHERSPOON, J. P.	08-P8-0464
WITHERSPOON, J. P., JR.	08-J8-13043
WITHERSPOON, J. P., JR.	08-R8-0985
WITKAMP, M.	08-J8-13485
WITKAMP, M.	08-J8-13658
WITKAMP, M.	08-J8-13659
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WITT, F. J.	16-R8-13352
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WOLLAN, E. O.	18-J8-13172
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WONG, C. Y.	13-J8-13062
WONG, C. Y.	13-J8-13136
WONG, C. Y.	13-J8-13601
WONG, C. Y.	13-J8-13766
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