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Masters and Doctorate Theses Issued as Laboratory Reports

Elizabeth B. Howard

MASTER

OAK RIDGE NATIONAL LABORATORY

OPERATED BY UNION CARBIDE CORPORATION FOR THE ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

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MASTERS AND DOCTORATE THESES
ISSUED AS LABORATORY REPORTS

Elizabeth B. Howard

MARCH 1976

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OAK RIDGE NATIONAL LABORATORY
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ABSTRACT

This is a compilation of the masters and doctorate theses that have been issued as reports by the Oak Ridge National Laboratory. The Laboratory has long encouraged the attainment of higher degrees by providing time, space, equipment, technical guidance and/or financial assistance. Many employees and students with fellowships or grants have completed, within the Laboratory, the work preceding the writing of a thesis. Some of the resultant master and doctorate theses have subsequently been issued as regular Laboratory reports and thus been made available to a wide audience.

The report covers the period from 1950 through 1975 and includes indexes for authors, subject classification, and the school accepting the thesis.

INTRODUCTION

The Oak Ridge National Laboratory, from the early days of its existence, has encouraged and participated in training courses and educational activities. Laboratory facilities and trained personnel have been available since 1948 when the Atomic Energy Commission predoctoral and postdoctoral fellowships were established. Contacts and arrangements were made with such schools as the University of Tennessee and Vanderbilt University concerning assignments, and many theses resulted from work completed in the Health Physics Division by students on AEC Fellowships in Radiological Physics. In 1956 an Education Assistance Program was started within the Laboratory and included financial assistance for course work. By 1967 an employee obtaining a graduate degree, and filling Company requirements, could expect to be reimbursed for all of his scholastic expenses.

Of all the theses completed by employees, or those holding scholarships or grants, many have been issued as Laboratory reports.

ORNL numbers were used to February 1965, then ORNL-TM numbers also started to be assigned. The Division issuing a report has the responsibility of deciding if a formal ORNL number is to be used for a topical report, or the less formal ORNL-TM memo number is to be assigned. As the Laboratory has expanded the scope of its programs, or thesis work has been completed under different sponsorships a few other number designations have been used.

This compilation starts with 1950, the earliest thesis report that could be verified, and goes through 1975. Of the 435 theses listed, there are 196 masters and 239 doctorates. In six instances the report is not the complete thesis, but based on such a substantial part that it has been included. The Technical Information Center of the former Atomic Energy Commission published five theses as TID reports and they also have been added.

When more than one author is listed for a report the first author is the one who submitted the thesis. The compilation is divided into four parts. The main bibliographic listing is by report number, with cross indexes to the number by the university to whom the thesis was submitted, subject categories, and author.

The contributions of Juanita Ball of the Laboratory Records Department and Bobbie Kirtland of the Personnel Development and Systems Department are greatly acknowledged.

REPORT NUMBER INDEX

CF REPORTS

CF-50-7-160

Williams, R. O.

ORNL SLUG PROBLEM - CAUSES AND PREVENTION. Terminal Report for Period September 1948 to July 1950.

July 1950. Declassified February 1957.

University of Tennessee. MS

CF-51-7-135

Cunningham, J. E.

RESISTANCE OF METALLIC MATERIALS TO CORROSION ATTACK BY HIGH TEMPERATURE LITHIUM. Interim Report.

July 1951. Declassified with deletions March 1957.

University of Tennessee. MS

CF-59-5-37

Greeley, R. S.

THERMODYNAMIC PROPERTIES OF DILUTE AQUEOUS HYDROCHLORIC ACID SOLUTIONS AT ELEVATED TEMPERATURES FROM ELECTROMOTIVE FORCE MEASUREMENTS.

May 1959

University of Tennessee. Phd.

CF-60-9-69

Hefner, R. J.

MOMENTUM AND HEAT TRANSFER TO A FLUID FLOWING TURBULENTLY IN A PIPE.

September 1960

Georgia Institute of Technology. Phd.

EDFB-IBP REPORTS

EDFB-IBP-72-13

Richardson, C. J., Dinger, B. E., and Harris, W. F.

THE USE OF STOMATAL RESISTANCE, PHOTOPIGMENTS, NITROGEN, WATER POTENTIAL, AND RADIATION TO ESTIMATE NET PHOTOSYNTHESIS IN LIRIODENDRON TULIPIFERA L. -- A PHYSIOLOGICAL INDEX.

April 1973

University of Tennessee. Phd.

EDFB-IBP-73-2

Sollins, P., Reichle, D. E., and Olson, J. S.

ORGANIC MATTER BUDGET AND MODEL FOR A SOUTHERN APPALACHIAN LIRIODENDRON FOREST.

April 1973

University of Tennessee. Phd.

EDFB-IBP-73-8

McBrayer, J. F., Reichle, D. E., and Witkamp, M.

ENERGY FLOW AND NUTRIENT CYCLING IN A CRYPTOZOAN FOOD-WEB.

January 1974

University of Tennessee. Phd.

EDFB-IBP-73-10

Ausmus, B. S. and Witkamp, M.

LITTER AND SOIL MICROBIAL DYNAMICS IN A DECIDUOUS FOREST STAND.

February 1974

University of Tennessee. Phd.

ORNL REPORTS

ORNL-1910

Blackstock, A. W.

DISCRETE ELECTRON ENERGY LOSSES IN THIN METALLIC FOILS.

July 1955

North Carolina State University. Phd.

ORNL-2013

Cure, J. W., III

NEUTRON SCATTERING.

January 1956

Vanderbilt University. MS

ORNL-2136

Moe, H. J.

IONIZATION OF ACETYLENE MIXTURES AND OTHER MIXTURES BY ^{239}Pu ALPHA PARTICLES.

August 1956

Vanderbilt University. MS

ORNL-2137

Huffman, F. N.

SPATIAL DISTRIBUTION OF ELECTRON DEPTH DOSE IN ALUMINUM.

August 1956

Vanderbilt University. MS

ORNL-2158

Johnson, R. M., Hubbell, H. H., Jr., and Birkhoff, R. D.
POCKET ION CHAMBERS FOR BETA RADIATION DOSE.

May 1957

Vanderbilt University. MS

ORNL-2298

Johnston, L. W., Birkhoff, R. D., Cheka, J. S., Hubbell, H. H., Jr., and
Saunders, B. G.

RESPONSE OF THE ANTHRACENE SCINTILLATION COUNTER TO LOW ENERGY
ELECTRONS.

May 1957

Vanderbilt University. MS

ORNL-2328

Scott, J. L.

A CALORIMETRIC INVESTIGATION OF ZIRCONIUM, TITANIUM, AND ZIRCONIUM
ALLOYS FROM 60 TO 960°C.

July 1957

University of Tennessee. Phd.

ORNL-2352

Patton, W. F., Hurst, G. S., and Bortner, T. E.

MEASUREMENT OF THE AVERAGE ENERGY LOST BY A 5 MEV ALPHA PARTICLE IN
PRODUCING AN ION PAIR IN WATER VAPOR.

September 1957

Vanderbilt University. MS

ORNL-2372

Page, J. P.

THE ANNEALING BEHAVIOR OF COLD-ROLLED NIOBIUM.

October 1957

University of Tennessee. MS

ORNL-2419

Blanchard, R. L., Kahn, B., and Birkhoff, R. D.

THE PREPARATION OF THIN, UNIFORM SOURCES FOR A BETA-RAY SPECTROMETER.

December 1957

Vanderbilt University. MS

ORNL-2521

Nelson, D. R., Birkhoff, R. D., Ritchie, R. H., and Hubbell, H. H., Jr.
MEASUREMENT OF ELECTRON FLUX IN MEDIA BOMBARDED BY X-RAYS.

October 1958

Vanderbilt University. MS

ORNL-2524

Roche, T. K.

THE INFLUENCE OF COMPOSITION UPON THE 1500°F CREEP-RUPTURE STRENGTH AND
MICROSTRUCTURE OF MOLYBDENUM-CHROMIUM-IRON-NICKEL BASE ALLOYS.

July 1958

University of Tennessee. MS

ORNL-2529

Villforth, J. C., Birkhoff, R. D., and Hubbell, H. H., Jr.
COMPARISON OF THEORETICAL AND EXPERIMENTAL FILTERED X-RAY SPECTRA.
July 1958
Vanderbilt University. MS

ORNL-2533

Wendell, J. S.
EVIDENCE FOR THE UNIFORM RADIATION LIFE SHORTENING PREDICTED BY
INFORMATION THEORY.
June 1958
Vanderbilt University. MS

ORNL-2534

Knowles, D. J.
A COMPUTER FOR A POSITION INDICATING SYSTEM.
August 1958
University of Tennessee. MS

ORNL-2535

Fisher, D. E.
NUCLEAR REACTION CROSS SECTIONS FROM THE NITROGEN BOMBARDMENT OF
SULFUR.
July 1958
University of Florida. Phd.

ORNL-2549

Barker, J. A.
THE EFFECT OF THE "TENDENCY TO REPORT INJURIES" ON MINOR ACCIDENT
STATISTICS.
August 1958
University of Tennessee. MS

ORNL-2569

Olson, W. O., Hubbell, H. H., Jr., and Birkhoff, R. D.
A STUDY OF PRE-ACCELERATION IN BETA-RAY SPECTROSCOPY.
October 1958
Vanderbilt University. MS

ORNL-2571

Pigan, E. A.
AN INVESTIGATION OF HOT DUCTILITY OF INCONEL AND INCONEL X.
September 1958
Rensselaer Polytechnic Institute. MS

ORNL-2582

Thompson, E. G.
THE EFFECT OF SIMULATED WELD THERMAL CYCLES ON THE PROPERTIES OF
HASTELLOY B.
October 1958
Rensselaer Polytechnic Institute. MS

ORNL-2635

Thurber, W. C.

DEFORMATION TEXTURES IN URANIUM-ALUMINUM ALLOYS.

November 1958

University of Tennessee. MS

ORNL-2659

Dresner, L.

RESONANCE ABSORPTION OF NEUTRONS IN NUCLEAR REACTORS.

March 1959

Princeton University. Phd.

ORNL-2669

Muller, G. L.

EXPERIMENTAL FORCED-CONVECTION HEAT TRANSFER WITH ADIABATIC WALLS AND
INTERNAL HEAT GENERATION IN A LIQUID METAL.

August 1959

University of Tennessee. MS

ORNL-2670

Hurst, G. S., and Bortner, T. E.

CAPTURE OF ELECTRONS IN MOLECULAR OXYGEN.

July 1959

University of Tennessee. Phd.

ORNL-2674

Hoffman, E. E.

CORROSION OF MATERIALS BY LITHIUM AT ELEVATED TEMPERATURES.

March 1959. Declassified in 1962. Issued unclassified with minor
changes as ORNL-2924. October 1960.

University of Tennessee. MS

ORNL-2701

Waugh, R. C.

THE REACTION AND GROWTH OF URANIUM DIOXIDE - ALUMINUM FUEL PLATES AND
COMPACTS.

March 1959

University of Tennessee. MS

ORNL-2724

Dillow, W. D., Auxier, J. A., and Birkhoff, R. D.

A STUDY OF CAVITY IONIZATION AS A FUNCTION OF ATOMIC NUMBER BY USE OF
A MINIATURE COUNTER.

June 1959

Vanderbilt University. MS

ORNL-2730

Hull, A. P., Hubbell, H. H., Jr., and Birkhoff, R. D.

A SMALL WRIST DOSIMETER FOR BETA AND GAMMA RADIATION.

September 1960

Vanderbilt University. MS

ORNL-2731

Kalil, F., Stone, W. G., Hubbell, H. H., Jr., and Birkhoff, R. D.
STOPPING POWER OF THIN ALUMINUM FOILS FOR 12 TO 127 KeV ELECTRONS.

September 1959

Vanderbilt University. Phd.

ORNL-2732

Finston, R. S., Hubbell, H. H., Jr., Stone, W. G., and Birkhoff, R. D.
MEASUREMENT OF ELECTRON FLUX IN IRRADIATED MEDIA BY AC METHODS.

September 1959

Vanderbilt University. MS

ORNL-2742

Yee, W. C.

A STUDY OF THE EFFECTS OF FISSION FRAGMENT RECOILS ON THE OXIDATION OF
ZIRCONIUM.

April 1960

University of Tennessee. MS

ORNL-2755

Lee, P. K., and Auerbach, S. I.

DETERMINATION AND EVALUATION OF THE RADIATION FIELD ABOVE WHITE OAK
LAKE BED.

September 1959

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ORNL-2775

Ziemer, P. L., Johnson, R. M., and Birkhoff, R. D.

MEASUREMENT OF STOPPING POWER OF COPPER BY CALORIMETRIC METHODS.

December 1959

Vanderbilt University. MS

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Gilliland, J. W., Jr.

THERMOLUMINESCENCE STUDIES OF THE GAMMA-IRRADIATED FERROELECTRICS
ROCHELLE SALT AND GUANIDINE ALUMINUM SULFATE HEXAHYDRATE.

August 1959

Vanderbilt University. MS

ORNL-2804

Schalbe, C. H.

A VERSATILE INSTRUMENT CAMERA WITH A MICROSECOND ELECTRONIC SHUTTER.

October 1959

University of Tennessee. MS

ORNL-2807

Sanders, F. W., Hurst, G. S., and Bortner, T. E.

A STUDY OF ALPHA PARTICLE IONIZATION IN ARGON MIXTURES.

October 1959

Vanderbilt University. MS

ORNL-2860

Ziegler, N. F.

THE ADMITTANCE AND TRANSFER FUNCTIONS OF SOLID CORE ELECTROMAGNETS.

December 1959

University of Tennessee. MS

ORNL-2862

Goldstein, G.

A STUDY OF SPECTROPHOTOMETRIC METHODS FOR THE DETERMINATION OF OSMIUM.

January 1960

University of Tennessee. MS

ORNL-2885

Forsberg, H. C.

THERMODYNAMIC PROPERTIES OF THE URANIUM MERCURIDES.

February 1960

University of Louisville. Phd.

ORNL-2887

O'Kelly, L. B., Hurst, G. S., and Bortner, T. E.

MEASUREMENT OF ELECTRON ATTACHMENT IN OXYGEN-METHANE AND OXYGEN CARBON-DIOXIDE MIXTURES.

January 1960

Vanderbilt University. MS

ORNL-2912

Thornton, W. T., and Auxier, J. A.

SOME X-RAY AND FAST NEUTRON RESPONSE CHARACTERISTICS OF SILVER METAPHOSPHATE GLASS DOSIMETERS.

August 1960

Vanderbilt University. MS

ORNL-2919

Hanauer, S. H., Dabbs, J. W. T., Roberts, L. D., and Parker, G. W.

THE ANGULAR DISTRIBUTION OF ALPHA PARTICLES EMITTED BY ORIENTED ^{237}Np NUCLEI.

May 1960

University of Tennessee. Phd.

ORNL-2924

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ORNL-2933

Datz, S.

MOLECULAR ASSOCIATION IN ALKALI HALIDE VAPORS.

May 1960

University of Tennessee. Phd.

ORNL-2946

Leitten, C. F., Jr.

THE STABILITY OF EUROPIUM OXIDE IN SILICON-BEARING STAINLESS STEEL.

August 1960

University of Tennessee. MS

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Bhalla, C. P..

PSEUDOSCALAR INTERACTION IN NUCLEAR BETA DECAY.

June 1960

University of Tennessee. Phd.

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Atta, G. J.

AN EMPIRICAL STUDY OF THE SAMPLING DISTRIBUTIONS OF SOME DISEASE
INCIDENCE ESTIMATES.

July 1960

University of Tennessee. MS

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Downing, A. C., Jr.

ON THE CONVERGENCE OF STEADY STATE MULTIREGION DIFFUSION CALCULATIONS.

August 1960

University of Michigan. Phd.

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Thorngate, J. H., Hurst, G. S., Davis, F. J., and Reinhardt, P. W.

THE COSINE-CUBED NEUTRON SPECTROMETER.

April 1961

Vanderbilt University. MS

ORNL-2970

Carter, J. G.

LOW-TEMPERATURE THERMOLUMINESCENCE OF THE GAMMA-IRRADIATED AMINO ACIDS
AND PROTEINS.

November 1960

Vanderbilt University. MS

ORNL-2990

Mann, R. A.

THE DEPOLARIZATION OF NEGATIVE MU MESONS.

November 1960

University of Alabama. Phd.

ORNL-3002

Crowell, J., and Parker, F. L.

A THERMAL PROBLEM ASSOCIATED WITH UNDERGROUND STORAGE OF RADIOACTIVE
WASTES.

November 1970

Vanderbilt University. MS

ORNL-3027

Gunter, B. D., and Parker, F. L.

THE PHYSICAL PROPERTIES OF ROCK SALT AS INFLUENCED BY GAMMA RAYS.

March 1961

Vanderbilt University. MS

ORNL-3033

Zerby, C. D.

ELECTROMAGNETIC PRODUCTION OF PION PAIRS.

January 1961

University of Tennessee. Phd.

ORNL-3052

Holmberg, R. W.

A PARAMAGNETIC RESONANCE STUDY OF HYPERFINE INTERACTIONS IN SINGLE CRYSTALS CONTAINING α , α -DIPHENYL- β -PICRYLHYDRAZYL.

January 1971

University of Tennessee. Phd.

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Staum, M. M.

THE DEAMINATION AND REARRANGEMENT OF erythro-1-AMINO-1-PHENYL-2-O-TOLYL-2-PROPANOL.

August 1961

University of Florida. Phd.

ORNL-3091

Forester, D. W., and Cochran, L. W.

DIFFUSION OF SLOW ELECTRONS IN GASES.

September 1961

University of Tennessee. MS

ORNL-3098

May, F. T.

THE DEVELOPMENT OF A DIRECT COUPLED, TRANSISTORIZED, SUB-MILLIMICROAMPERE CURRENT AMPLIFIER.

July 1961

University of Tennessee. MS

ORNL-3108

Curtis, O. L., and Crawford, J. H., Jr.

THE CARRIER-RECOMBINATION BEHAVIOR AND ANNEALING PROPERTIES OF RADIATION-INDUCED RECOMBINATION CENTERS IN GERMANIUM.

May 1961

University of Tennessee. Phd.

ORNL-3109

Chester, C. V.

AN INVESTIGATION OF THE TRANSFER OF URANYL NITRATE ACROSS THE WATER--TRIBUTYL PHOSPHATE INTERFACE BY THE METHOD OF PHOTOGRAPHIC PHOTOMETRY.

May 1961

University of Tennessee. MS

ORNL-3114

Frank, A. L., Arakawa, E. T., Birkhoff, R. D., Ritchie, R. H., and Eldridge, H. B.

OPTICAL EMISSION FROM IRRADIATED THIN METALLIC FOILS.

July 1962

Vanderbilt University. MS

ORNL-3115

Weinberg, C. J., Carter, J. G., Nelson, D. R., and Birkhoff, R. D.
THERMOLUMINESCENCE SPECTRA AND ACTIVATION ENERGIES FOR AROMATIC AMINO
ACIDS, TRYPSIN, AND SPORES OF BACILLUS MEGATERIUM.

June 1963

Vanderbilt University. MS

ORNL-3141

Cherubini, J. H.

DETERMINATIONS OF THE KINETICS AND MECHANISMS OF DEBORONIZATION AT
1135°C.

August 1961

University of Tennessee. MS

ORNL-3152

Ward, J. C.

RADIOACTIVITY OF NUCLEAR REACTOR COOLING FLUIDS.

September 1961

University of Oklahoma. Phd.

ORNL-3172

Neel, R. B., and Olson, J. S.

USE OF ANALOG COMPUTERS FOR SIMULATING THE MOVEMENT OF ISOTOPES IN
ECOLOGICAL SYSTEMS.

January 1962

Vanderbilt University. MS

ORNL-3292

Scott, C. D.

THE RATE OF REACTION OF HYDROGEN FROM HYDROGEN-HELIUM STREAMS WITH FIXED
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July 1962

University of Tennessee. MS

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Colwell, G. T.

AN AERODYNAMIC-THERMODYNAMIC STUDY OF CENTRIFUGAL COMPRESSORS.

December 1962

University of Tennessee. MS

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Watson, J. S.

A STUDY OF THE KINETICS OF URANYL SULFATE EXCHANGE WITH A STRONG BASE
ANION RESIN.

July 1962

University of Tennessee. MS

ORNL-3306

Lamphere, R. W.

THE ANGULAR DISTRIBUTION OF FISSION FRAGMENTS FROM THE FAST NEUTRON-INDUCED FISSION OF U-234.

August 1962

University of Tennessee. Phd.

ORNL-3328

Witherspoon, J. P., Jr., Auerbach, S. I., and Olson, J. S.

CYCLING OF CESIUM-134 IN WHITE OAK TREES ON SITES OF CONTRASTING SOIL TYPE AND MOISTURE.

October 1962

University of Tennessee. Phd.

ORNL-3346

Sims, T. M.

LOW TEMPERATURE THERMOLUMINESCENCE OF GAMMA IRRADIATED POTASSIUM DIHYDROGEN PHOSPHATE.

October 1962

Vanderbilt University. MS

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Gwin, R., and Murray, R. B.

STUDIES OF THE SCINTILLATION PROCESS IN CsI(Tl).

October 1962

University of Tennessee. Phd.

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Bertini, H. W.

MONTE CARLO CALCULATIONS ON INTRANUCLEAR CASCADES.

April 1963

University of Tennessee. Phd.

ORNL-3390

Cooke, J. W.

THE EXPERIMENTAL DETERMINATION OF THE THERMAL CONDUCTIVITY OF MOLTEN LITHIUM FROM 600 TO 1550 DEGREES FAHRENHEIT.

January 1964

University of Tennessee. MS

ORNL-3422

Edmundson, M., Bortner, T. E., Hurst, G. S., and Parks, J. E.

ALPHA PARTICLE IONIZATION OF ARGON MIXTURES - FURTHER STUDY OF THE ROLE OF EXCITED STATES.

May 1963

Vanderbilt University. MS

ORNL-3438

Gilliland, R. G.

INVESTIGATION OF THE WETTABILITY OF VARIOUS PURE METALS AND ALLOYS ON BERYLLIUM.

May 1963

University of Tennessee. MS

ORNL-3443

Pigg, J. C.

ANNEALING OF GAMMA RAY INDUCED CHANGES IN ANTIMONY DOPED GERMANIUM.

May 1963

University of Tennessee. Phd.

ORNL-3450

Emerson, L. C., Arakawa, E. T., Ritchie, R. H., and Birkhoff, R. D.
EMISSION SPECTRA OF ELECTRON IRRADIATED METAL FOILS.

July 1963

University of Tennessee. Phd

ORNL-3463

McConnell, W. J., Hubbell, H. H., Jr., and Birkhoff, R. D.
ELECTRON-SLOWING-DOWN SPECTRUM IN Cu OF BETA RAYS FROM ^{64}Cu .

May 1964

Vanderbilt University. MS

ORNL-3468

Hammer, D. C., Arakawa, E. T., Emerson, L. C., and Birkhoff, R. D.
OPTICAL EMISSION FROM ELECTRON IRRADIATED THIN GOLD FOILS.

August 1963

Vanderbilt University. MS

ORNL-3469

Wilkie, W. H., and Birkhoff, R. D.

MEASUREMENT OF SPECTRAL DISTRIBUTION OF POSITRON FLUX IN AN INFINITE COPPER MEDIUM CONTAINING ^{64}Cu .

December 1963

Vanderbilt University. MS

ORNL-3473

Northup, T. E.

HIGH DENSITY SLAG CONCRETE.

July 1963

University of Tennessee. MS

ORNL-3484

LaBar, D. A., Harter, J. A., and Birkhoff, R. D.
TIME-OF-FLIGHT STUDIES OF ELECTRONS IN VACUUM.

April 1964

Vanderbilt University. MS

ORNL-3485

Davis, N. O., Arakawa, E. T., Emerson, L. C., and Birkhoff, R. D.
THE ANGULAR AND SPECTRAL DISTRIBUTIONS OF LIGHT EMITTED FROM ELECTRON-
BOMBARDED SILVER FOILS.

March 1964

Vanderbilt University. MS

ORNL-3486

Mruk, W. F.

THE PRINCIPLES AND MEASUREMENT OF FISSION-FRAGMENT TIMES OF FLIGHT.

August 1963

University of Tennessee. Phd.

ORNL-3494

McNeese, L. E.

AN EXPERIMENTAL STUDY OF SORPTION OF URANIUM HEXAFLUORIDE BY SODIUM
FLUORIDE PELLETS AND A MATHEMATICAL ANALYSIS OF DIFFUSION WITH
SIMULTANEOUS REACTION.

November 1963

University of Tennessee. MS

ORNL-3507

Cain, V. R.

CALCULATIONS OF THERMAL-NEUTRON FLUX DISTRIBUTIONS IN CONCRETE-WALLED
DUCTS USING AN ALBEDO MODEL WITH MONTE CARLO TECHNIQUES.

January 1964

University of Tennessee. MS

ORNL-3510

Godbee, H. W.

THERMAL CONDUCTIVITY OF MAGNESIA, ALUMINA, AND ZIRCONIA POWDERS IN AIR
AT ATMOSPHERIC PRESSURE FROM 200°F TO 1500°F.

April 1966

Georgia Institute of Technology. Phd.

ORNL-3527

Haas, P. A.

ENGINEERING DEVELOPMENT OF A FOAM COLUMN FOR COUNTERCURRENT SURFACE-
LIQUID EXTRACTION OF SURFACE-ACTIVE SOLUTES.

June 1965

University of Tennessee. Phd.

ORNL-3530

Martin, R. E., Auerbach, S. I., and Nelson, D. J.

GROWTH AND MOVEMENT OF SMALLMOUTH BUFFALO, ICITIOBUS BUBALUS
(RAFINESQUE), IN WATTS BAR RESERVOIR, TENNESSEE.

January 1964

University of Tennessee. Phd.

ORNL-3531

Blaylock, B. G., Auerbach, S. I., and Nelson, D. J.
CHROMOSOMAL ABERRATIONS IN A NATURAL POPULATION OF CHIRONOMUS TENTANS
EXPOSED TO CHRONIC LOW-LEVEL ENVIRONMENTAL RADIATION.

January 1963

University of Tennessee. Phd.

ORNL-3551

DiStefano, J. R.
CORROSION OF REFRACTORY METALS BY LITHIUM.

March 1964

University of Tennessee. MS

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