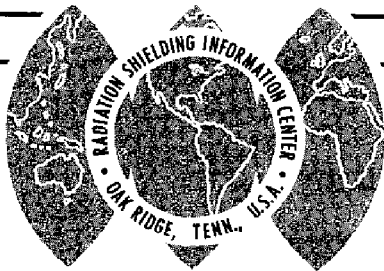


RSIC Newsletter



RADIATION SHIELDING INFORMATION CENTER

OAK RIDGE NATIONAL LABORATORY

OPERATED BY UNION CARBIDE CORPORATION • FOR THE U.S. ATOMIC ENERGY COMMISSION

POST OFFICE BOX X •
OAK RIDGE, TENNESSEE 37831

No. 63

February 1970

*Examine what is said, not him who speaks.
- Arabia*

PROCEEDINGS OF MULTIGROUP SEMINAR-WORKSHOP ISSUED

The proceedings of the seminar-workshop held in Oak Ridge in October, 1969 has been issued. It is entitled "A Review of Multigroup Nuclear Cross Section Preparation - Theory, Techniques, and Computer Codes," ORNL-RSIC-27 (January 1970), compiled by D. K. Trubey and Jane Gurney. Copies are available from RSIC upon request. It is also available from CFSTI.

UPDATE TO DLC-10/AVKER LIBRARY

The neutron fluence-to-kerma factors for natural copper have been added to the original AVKER kerma library described in ORNL-TM-2558 and the new version has been designated DLC-10B.

Requesters of DLC-10B should send one reel of magnetic tape to RSIC for the new library.

NUCLEAR NEWS BUYERS GUIDE Issued

The 1970 *Nuclear News Buyers Guide* is now available from the American Nuclear Society, 244 E. Ogden Avenue, Hinsdale, Illinois 60521, for \$5.00. There are 750 companies listed under 255 products and service categories which include a number of interest to shielders.

AMERICAN NUCLEAR SOCIETY MEETING ON AEROSPACE NUCLEAR APPLICATIONS IN APRIL

The American Nuclear Society and other sponsors will hold a national topical meeting on Aerospace Nuclear Applications in Huntsville, Alabama, April 28-30, 1970. The session subjects include nuclear propulsion, aerospace power technology, and aerospace power applications. Henry E. Stern, of the George C. Marshall Space Flight Center, and active in aerospace shielding technology for many years, is a member of the organizing committee.

Further information may be obtained from American Nuclear Society, Huntsville Section, P.O. Box 4261, Huntsville, Alabama 35803.

SEMINAR ON RADIATION QUANTITIES AT NBS IN MAY

A seminar on radiation measurements will be held May 12-15, 1970, at the National Bureau of Standards laboratories in Gaithersburg, Md. The four-day course will cover measurement of four categories of radiation: X-rays, electrons, neutrons, and radioactivity. Course includes lectures on measurement principles and important instruments and techniques, and visits to NBS radiation and measurements laboratories. Information: E. H. Eisenhower, Center for Radiation Research, National Bureau of Standards, Washington, D.C. 20234.

LEAD SHIELDING AND NUCLEAR SAFETY: REPORT ON CONFERENCE DISCUSSIONS NOW AVAILABLE

A Report on Discussions has been issued which contains abstracts of papers and a comprehensive account of the open discussions that followed their presentation at the Lead Shielding and Nuclear Safety Conference, organized jointly by the Lead Development Association and the UK Atomic Energy Authority in London last year.

It was the first ever conference to be devoted entirely to lead shielding and the program included fifteen papers on all aspects of the standardization, design, manufacture and applications (both industrial and medical) of lead shielding as well as special sessions on safety in the transport of radioactive materials.

Sets of preprinted papers, containing full texts and illustrations, together with a copy of the Report on Discussions are available from the Lead Development Association, 34 Berkeley Square, London W1X 6AJ at the price of £8 per set.

PERSONAL ITEMS

N. R. (Rick) Byrn is now at the School of Nuclear Engineering, Georgia Institute of Technology, Atlanta. He was formerly with the Brown Engineering Company in Huntsville, Alabama.

* * * *

Joyce P. Davis, formerly of Burns and Roe, is now with Stoller Associates in New York City.

JANUARY ACCESSION LIST OF LITERATURE

The RSIC is now aware of the literature cited in the following list. This literature has either been obtained by RSIC or has been placed on order. When received, this material will be examined and assigned to various files if suitable for our information system. The accession list is divided into three fields (1) reactor and weapons shielding, (2) space and accelerator shielding, and (3) shielding computer codes. These titles are announced before processing and indexing so that there will be no delay and can serve as a prompt announcement of current literature.

RSIC is not a documentation center. Copies of the literature cited must generally be obtained from the author or from a documentation center such as the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151.

RSIC maintains a microfiche file of literature entered into its information system. Computer searches of this system (which produces a special bibliography) and duplicate microfiche copies of the literature in our file are available upon request. Naturally, we cannot supply copies of literature which is copyrighted (such as books or journal articles) or whose distribution is restricted. Neither service is available for the codes literature.

REACTOR AND WEAPONS SHIELDING

- AD-693876 1969
Transport Theory
R. Bellman, G. Birkhoff, I. Abu-Shumays
(Proceedings of Symposium in Applied Mathematics of the SIAM-MAS,
New York City, v.6, 58- [April 1969])
Available: AD-693876 as microfiche only; paper copy from
Mathematical Society, Providence, R. I. \$11.00.
- CEA-CONF-1355 (*in French*) 1968
Properties of Absorbent Carbons Intended for Fast Reactor Shielding
J. Cledat, R. Gremion, J. Rappeneau, P. Degas
- CONF-690320, pp. 36-9 March 1969
Lay-out and Shielding for 3 Hospital Accelerators
S. K. Stephenson
(Proceedings of the Conference on Radiation Protection in Accelerator
Environments, Chilton, England, March 1969)
G. R. Stevenson, editor Rutherford Laboratory
- IFA-FR-77 1969
Fast and Resonance Neutron Spectrum in Water and Graphite
I. Grancea, V. Cuculeanu, V. Iosif
Available: AEC Depository Libraries; CFSTI (U.S. Sales only)

- INR-959 1968
Analog Study of Temperature Distributions in Reactor Shields with
Inner Cooling Pipes
A. Strupczewski
Available: AEC Depository Libraries; CFSTI (U.S. Sales only)
- JPRS-48331, pp. 343-71 1967
Characteristics of the Planning of Biological and Activation
Shielding for Fast Reactors
M. Ya. Kulakovskii
- LA-4266 November 10, 1969
Cantor-Type Interval Dissections as Random Number Tests
W. A. Beyer
Available: CFSTI
- NASA-TM-X-52725 December 1969
Fast Neutron Streaming in Helical Ducts
M. L. Wohl, T. M. Jordan
- NP-tt-1796 1964
The LET Effect of Radiation
A. Danno
- ORNL-TM-2797 (ENDF-131) January 1970
An Evaluation and Compilation of the Fission and Capture Cross
Sections of ²³⁹Pu in the Energy Range 25 keV - 15 MeV.
N. M. Greene, J. L. Lucius, C. W. Craven, Jr.
Available: CFSTI
- PB-187267 January 1969
Radiological Emergency Procedures for the Non-Specialist
Atomic Energy Commission, Washington, D.C.
Available: CFSTI
- RHEL/M-149 September 1968
Depth Dose and Depth Dose Equivalent Data as Functions of Neutron
Energy
K. B. Shaw, G. R. Stevenson, R. H. Thomas
Available: AEC Depository Libraries; CFSTI (U. S. Sales only)
- RRA-T97-I through VII July 10, 1969
Differential Neutron and Secondary Gamma-Ray Albedos for Steel-
Covered Concrete Slabs
M. B. Wells, J. D. Marshall
Vol. I, Description of Calculations and Comparisons with Other Data
Vol. II, Neutron Doubly Differential Albedos for Incident Polar

- Angle of 15.78 Degrees
Vol. III, Neutron Doubly Differential Albedos for Incident Polar
Angle of 32.98 Degrees
Vol. IV, Neutron Doubly Differential Albedos for Incident Polar
Angle of 46.06 Degrees
Vol. V, Neutron Doubly Differential Albedos for Incident Polar Angle
of 59.39 Degrees
Vol. VI, Neutron Doubly Differential Albedos for Incident Polar Angle
of 78.9 Degrees
Vol. VII, Secondary Gamma-Ray Differential Number Albedo Data

SGAE-PH-86/1969 (CONF-690708-6) 1969

A Study on the Prompt Gamma Rays of 252-Cf-Fission
K. Rumpold, F. Semturs, P. Weinzierl
Available: AEC Depository Libraries; CFSTI (U.S. Sales only)

STI-PUB-199 (CONF-681203) 1969

ARTICLE: Neutron Dose Distributions in an Infinite Slab of
Standard Man Composition. Maximum Permissible Fluxes
of Neutrons (pp. 61-78)

P. S. Nagarajan

ARTICLE: Dose Conversion Factors for Am-Be, Pu-Be, Po-Be, and
Am-B Neutron Sources (pp. 115-22)

S. K. Mehta

In *Radiation Protection Monitoring*, Vienna, International Atomic
Energy Agency, 1969

UCRL-50755 September 1969

Incident Energy Dependence of Fission Spectra
R. J. Doyas, R. J. Howerton
Available: CFSTI

U.S.-OSW Report 449 (NP-17997) May 1969

Thermal Neutron Scattering Measurements in Water
G. M. Borgonovi, J. W. Kopple, J. A. Young, J. A. Hunter, W. S.
Gillam, W. H. McCoy
Available: GPO \$.65

Czech. J. Phys., 19, 1103-26 (1969)

Slowing Down of Fast Neutrons in Thin Hydrogenous Moderators
R. Bayer

Genshikaku Kenkyu, 14(1), 1-12 (July 1969) (In Japanese)

Shielding Effect of Paraffin, Water, Soil, Concrete, Iron and
Lead for High-Energy Neutrons
Y. Saji, T. Ishihara

Health Phys., 15(1), 49- (July 1968)

Basic γ -Ray Dosimetry
F. H. Attix

Health Phys., 15(6), 535- (Dec. 1968)

The Evaluation of an Iterative Technique's Use in Unfolding Neutron
Spectra Data
G. L. Watkins, G. R. Holeman

Health Phys., 16(2), 232- (Feb. 1969)

Albedo--Some Aspects on an Optical Concept Introduced in Radiation
Physics
C. A. Carlsson

Health Phys., 17(6), 773-779 (1969)

Possibility of Studying Skyshine Phenomena of Gamma Radiation on
Laboratory Scale
A. Bottino, A. Cardinale, G. Dellanna

Isotop. Radiat. Technol., 7, 29-35 (Fall 1969)

Measuring Moisture with Gamma Radiation
F. E. McKinney

Izv. Fiz. Inst. Aneb, Bulg. Akad. Nauk., 18, 99-104 (1969) (In Russian)

Spectra and Doses of Neutrons from the Reactors During Their
Passage Through Iron Filters
A. Stanolov, V. Kristov

Izv. Vyssh. Ucheb. Zaved., Fiz., No. 12, 127-9 (1968) (In Russian)

Perturbation Method for Calculating γ -Radiation Reflection from
Two-Layer Shielding
A. M. Kol'chuzhkin, V. V. Uchaikin

J. Geophys. Research, 74(26), 6494-96 (1969)

Structure in Fast Spectra of Atmospheric Neutrons
J. W. Wilson, et al.

J. Hydrol., 7, 415-33 (Apr. 1969)

Soil-Moisture Estimation by the Neutron Method in Britain. A Further
Report
J. P. Bell, J. S. G. McCulloch

J. Nucl. Energy, 23(2), 53-66 (March 1969)

On the Consistency of Certain Approximate Solutions to the Transport
Equation
R. C. Erdmann

- Kernenergie*, 12(10), 328-340 (1969)
Shielding Measurements in Rheinsberg Nuclear Power Plant
W. Gerullis, U. E. Michaelis, J. Mertins
- Kerntechnik*, 11(4), 219-226 (1969) (In German and English)
The Structural Radiation Shielding at the Karlsruhe Fuel Reprocessing Plant
W. Futtermenger, K. P. Schulze
- Meas. Tech. (USA)*, 7, 930-933 (July 1968)
Investigating a Directional Fast-Neutron Flux Emitted from a Collimator
V. I. Fominykh, M. F. Yudin, A. P. Yanovskii
- Meded. Kon. Vlaam. Acad. Wetensch. Belg., Kl. Wetensch.*, 30(2), 1-35 (1968)
Reaction Rates from Nuclear Reactor Neutrons
R. DeNeve
- Nucl. Eng. Design*, 8(3), 317- (Sept./Oct. 1968)
Influence of Rare Earths on Neutron Moisture Measuring
S. Kasi
- Nucl. Eng. Design*, 10(3), 308-24 (1969)
Analytical Radiation Shielding Calculations for Concrete - Formulas and Parameters
F. A. R. Schmidt
- Nucl. Instr. Methods*, 75(1), 141-148 (1969)
Reflection of 60-Co Gamma Rays from Concrete
J. A. Baran, R. E. Faw, W. R. Kimel
- Nukleonik*, 12(4), 159-62 (May 1969)
The Effect of Random Media Upon Neutron Transport
P. R. Barrett, J. J. Thompson
- Rev. Mod. Phys.*, 41(4P1), 581-639 (1969)
Pair Production by Photons
J. W. Motz, H. A. Olsen, H. W. Koch
- Senpaku Gijutsu Kenkyujo*, 6, 103-16 (May 1969) (in Japanese)
A Numerical Method of the Boltzmann Transport Equation for Neutron Shield in Finite Cylindrical Geometry
K. Takeuchi

Soil Sci. Soc. Am. Proc., 33(5), 651-55 (1969)

Resolving Time, Mass Absorption Coefficient and Water Content with
Gamma-Ray Attenuation

D. D. Fritton

Soviet J. At. Energy (English Transl.), 23(6), 1317-18 (Dec. 1967)

Optimization of a Two-Layered Shield for Isotopic Sources of Fast
Neutrons. (Abstract)

V. S. Avzyanov, O. A. Barsukov, A. N. Davletshin, V. N. Ivanov

Soviet J. At. Energy (English Transl.), 24(4), 435- (April 1968)

Measured Ratio of Radiation Capture and Fission Cross Sections of
U-235 and Pu-239 in the Resonance Region

Yu. V. Ryabov, S. Don-Sik, N. Chikov, N. Yaneva

Soviet J. At. Energy (English Transl.) 24(4), 452-453 (April 1968)

Measurement of Dose Buildup Factors for Low-Energy Point Isotropic
Gamma Sources in Water. (Abstract)

D. P. Osanov, V. P. Panova, G. B. Radzievskii

Soviet J. At. Energy (English Transl.) 24(4), 456-457 (April 1968)

Spatial, Angular, and Energy Distributions of Fast Neutrons in
Lithium Hydride, Water, Tungsten, and Boron Carbide. (Abstract)

S. F. Degtyarev, A. P. Suvorov, V. V. Tarasov, V. K. Tikhonov,
S. G. Tsypin

Soviet J. At. Energy (English Transl.) 24(4), 457-458 (April 1968)

Exponential Angular Coefficients of Neutrons for Hydrogen-Free Media
(Abstract)

S. F. Degtyarev, V. B. Staroverov, V. V. Tarasov, V. K. Tikhonov,
S. G. Tsypin

Soviet J. At. Energy (English Transl.), 24(4), 458-459 (April 1968)

Spatial, Energy, and Angular Distributions of Neutrons in Lithium.
(Abstract)

V. K. Daruga, S. F. Degtyarev, V. I. Kukhtevich, A. N. Nikolaev,
V. Polivanskii, B. I. Sinitsyn, A. P. Suvorov, V. V. Tarasov, V. K.
Tikhonov, S. G. Tsypin

Soviet J. At. Energy (English Transl.) 24(4), 459-460 (April 1968)

Calculation of Shielding for a Circulating Fuel Loop (Abstract)

S. M. Rubanov, V. I. Titov, L. S. Shkorbatova

Soviet J. At. Energy (English Transl.) 24(4), 486-487 (April 1968)

Buildup Factors for Divided Shields (Letter to the Editor)

Yu. A. Kazanskii, V. I. Kukhtevich, B. P. Shemetenko

- Soviet J. At. Energy (English Transl.)*, 24(6), 693- (June 1968)
Spatial Distribution of Absorbed Neutron Dose in Polyethylene
B. A. Briskman, V. P. Savina
- Soviet J. At. Energy (English Transl.)*, 24(6), 694-5 (June 1968)
Experimental Study of the Spatial Absorbed-Dose Fields of
 γ -Radiation in a Polyethylene Sample
B. A. Briskman, V. P. Savina
- Soviet J. At. Energy, English Transl.*, 24(6), 704-6 (June 1968)
 γ -Radiation in the Interaction of 14 MeV Neutrons with the Nuclei
of B, C, N, O, F, and Al Atoms
G. N. Maslov, F. Nasyrov, N. F. Pashkin
- BOOK 1970
ELEMENTARY RADIATION PHYSICS
G. S. Hurst, J. E. Turner
Wiley Publishing Co. \$7.95 (208 pp.)
- BOOK (In Russian) 1969
SCINTILLATION SPECTRA OF SCATTERED GAMMA-RADIATION FROM POINT SOURCES
V. A. Artsybashev, G. A. Ivanyukovich
Moscow, Atomizdat (108 pp.)
- BOOK (In Russian) 1968
PROKHOZHDENIE IZLUCHENII CHEREK NEODENORODNOSTI V ZASCHITE.
(Radiation Penetration Through Non-Homogeneities in Shielding).
O. I. Leipunskogo (ed.)
Moscow, Atomizdat (336 pp.)
- BOOK (In Russian) 1968
PENETRATION OF NONHOMOGENEITIES IN SHIELDING BY RADIATION
V. G. Zolotukhin
Moscow, Atomizdat (335 pp.)

SPACE AND ACCELERATOR SHIELDING

- AFOSR-69-1927TR (TR-844, AD-691488) April 1969
A Program to Calculate Particle Spectra Produced in High Energy
Proton-Proton Collisions by the Two-Temperature Statistical Model
J. R. Wayland, M. La Pointe
Available: CFSTI as N69-40943

CERN-HERA-69-1

November 1969

Compilation of Pion-Nucleon Scattering Data

G. Giacomelli, P. Pini, S. Stagni

Available: AEC Depository Libraries; CFSTI (U.S. Sales only)

CONF-690320

1969

- (1) External Radiation Field from Proton Synchrotrons (pp. 19-25)
G. R. Stevenson, K. B. Shaw
- (2) The Radiation Field of the Oxford Coupled Electrostatic Generators
H. R. McK. Hyder (pp. 26-33)
- (3) Design Considerations for Dealing with Accelerator Produced
Radiation (pp. 41-52)
M. Awschalom

In: *PROCEEDINGS OF THE CONF. ON RADIATION PROTECTION IN ACCELERATOR ENVIRONMENTS*, Chilton, Eng., Rutherford Lab., (1969)

INR-P-1127

1969

Interactions of High Energy (1 TeV) Nucleons with the Nuclei of
Photographic Emulsion
K. Rybicki, W. Wolter

JINR-P2-4808

1969

High-Energy Interactions of γ -Quanta with Nuclei
K. K. Gudima, A. S. Iljinov, V. D. Toneev

JINR-P16-4765 (In Russian)

1969

Tissue Dosimetry of Radiations Generated by High-Energy Accelerators
V. T. Golovachik, I. M. Dmitrievskii, M. M. Komochkov, V. N. Lebedev,
Yu. D. Lysak, Yu. V. Semenov, V. Frolov, A. P. Cherevatenko
Available: AEC Depository Libraries; CFSTI (U.S. Sales only)

NASA-TT-F-12607

September 1969

Energy Dependence of the Cross Sections of the Interactions of
Nucleons and Atomic Nuclei at Energies Greater than 50 MeV.
V. S. Barashenkov, et al.
Available: CFSTI as N69-39659

N69-39647

April 1969

ARTICLE: Measurement of High-Energy Electrons and Protons
(Experiments S.71A and S.71E) (pp.43-45)
R. Dalziel
In: *ESRO ESRO/ELDO Bull., Suppl.: ESRO 1/Aurorae* (April 1969)
Available: CFSTI

- N69-38983 (NASA-SP-195) 1969
ARTICLE: Cosmic Ray and Solar Flare Electrons (pp.131-135)
T. L. Cline
In: *SIGNIFICANT ACCOMPLISHMENTS IN SCIENCE*
Available: CFSTI
- N69-39849 (N69-31615) 1969
Incidence, Distribution and Warning of Solar Flares and Radioactivity
R. W. Knecht (pp. 458-468)
in: *Aeron. Meteorol. 1969*
Available: WMO, Geneva: Sw. fr. 60
- N69-39850 (N69-31616) 1969
Notes on Solar Flare Warnings for SST Aircraft (pp. 469-475)
F. E. Cook
In: *Aeron. Meteorol. 1969*
Available: WMO, Geneva: Sw. fr. 60
- N69-40254 January 24, 1969
ARTICLE: The Earth's Radiation Belts (pp. 112-160)
P. V. Vakulov, et al.
ARTICLE: Cosmic Rays (pp. 161-187)
P. V. Vakulov
In: *USSR ACHIEVEMENTS IN SPACE RES. (1st Decade in Space, 1957-1967)*
Available: CFSTI
- NCRP-31 (NBS Handbook-97) July 1964
Shielding for High-Energy Electron Accelerator Installations.
Recommendations of the National Committee on Radiation Protection and
Measurements.
National Bureau of Standards, Washington, D.C.
Available: GPO \$.30
- ORNL-TM-2843 January 15, 1970
Calculation of the Energy Deposited in Thick Targets by High-
Energy (1 GeV) Electron-Photon Cascades and Comparison with
Experiment - II.
R. G. Alsmiller, Jr., H. S. Moran
- ORNL-TM-2844 December 31, 1969
Calculation of the Radiation Hazard at Supersonic Aircraft
Altitudes Produced by an Energetic Solar Flare - II.
T. W. Armstrong, H. S. Moran

UCRL-19374 (CONF-691101-10)

October 1969

Radiation Measurements and Shielding Study of the Berkeley
27-Inch 3-He Cyclotron
J. B. McCaslin, A. R. Smith
Available: AEC Depository Libraries; CFSTI

Biophysik, 6, 113-122 (1969)

Radiation Exposure in Supersonic Transport by Solar Flares
O. C. Allkofer, M. Simon

Soviet J. At. Energy (English Transl.), 24(4), 411-415 (April 1968)

Use of Cosmic Radiation to Evaluate the Effectiveness of
Biological Shielding
V. M. Bondarenko, G. G. Viktorov, A. G. Tarkhov

Soviet J. At. Energy (English Transl.) 24(4), 492-494 (April 1968)

Backward Emission of Neutrons from a Shield Irradiated with 660
MeV Protons. (Letter to the Editor)
L. R. Kimel', M. M. Komochkov, V. P. Sidorin, B. S. Sychev,
A. P. Cherevatenko

COMPUTER CODES LITERATURE

UCID-15284 (mf)

September 1966

GEISHA II

GEISHA-II - A CDC 6600 Code for Use in Parametric Shielding Surveys
by T. P. Wilcox
FORTRAN for CDC 6600

ZJE-30 (mf)

December 1968

OBS

The Programme for Optimization of the Biological Shields of the
Reactors
by K. Vlachovsky

WANL-TME-1617 (mf)

May 1967

P1-GAS

P1-GAS - A FORTRAN IV Program for Calculating the P-0 and P-1
Transfer Matrices for Neutron Moderation in a Monatomic Gas
by Gordon Gibson
FORTRAN IV for CDC 6600

UJV-2125-R (mf)

February 1969

SUNSPHER-SUNCYL

SUNSPHER, SUNCYL Programs for S_n Approximation of Transport Equation
in Shielding of Nuclear Reactor
by J. Burian
ALGOL for Gier

- ORNL-TM-2592 June 1969 SPACETRAN
SPACETRAN - A Code to Calculate Dose at Detectors at Various Dis-
tances from the Surface of a Cylinder
by S. N. Cramer and M. Solomito
FORTRAN for IBM 360/75/91
- CTC-17 January 1970 MUG
MUG - A Program for Generating Multigroup Photon Cross Sections
by J. R. Knight and F. R. Mynatt
FORTRAN IV for IBM 360
- NE-3383-102-69U (ENDF-128) August 1969 LUTE/LATEX
LUTE and LATEX, Special-Purpose Codes to Translate from Modified - UK
to ENDF/B Format
by Donald J. Dudziak and Jason M. Cook
FORTRAN IV for Burroughs B5500
- ORNL-4379 March 1969 EVAP-2/EVAP-3
EVAP-2 and EVAP-3 - Modifications of a Code to Calculate Particle
Evaporation from Excited Compound Nuclei
by M. P. Guthrie
FORTRAN IV for IBM 360
- WANL-TME-1933 (mg) May 1969 GGC
Test of the GGC-3, GGC-4 Neutron Slowing Down Codes and Comparisons
with the Codes GAMBIT and TRANSFER
by Gordon Gibson and L. L. Moran
CDC 6600