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ARGONNE NATIONAL LABORATORY
9700 South Cass Avenue
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ARGONNE NATIONAL LABORATORY PUBLICATIONS,

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PREFACE

This document represents Argonne's first efforts to compile a publications list, incorporating a subject index, by machine methods. The publications covered are those originating at Argonne, but published elsewhere, i.e., in journals, compendia, etc. The regular ANL reports issued by the Laboratory are not listed here.

The list is arranged alphabetically by authors' names. Cross references are given for entries with more than one author. Only those documents published in fiscal year 1962 (July 1, 1961 through June 30, 1962) are listed.

The subject index is a KWIC (key word in context) index. Thus, indexing is by title only. To improve indexing some compound words have been divided into two or more words, and formulas and symbols have been spelled out. Occasionally when the title did not seem to portray the subject of the paper adequately for this type of indexing, descriptive words have been added. All such added words are separated from the title by asterisks. Also, all foreign language titles have been translated into English.

Readers who are unfamiliar with key word indexes may find the system a bit unusual, but it is rather easy to get used to. For example, see page 129 where the subject index begins. Key words are alphabetized in the center of the subject column. Codes to the entries in the author list are given at the right.

The code for the first entry is DWIG AE 61 FCO. The letters DWIG are the first four letters of the author's last name; in this case Dwight. The letters AE are his initials. The 61 designates the calendar year of publications, 1961. The FCO are the initials of the first three key words used in the index and may be ignored. Note that the code symbols at the right in the subject index are also given at the right in the author listing.

The data for this list were collected by the Technical Publications Department; the system coding and machine operations were performed by the Applied Mathematics Division. Comments and suggestions from users of this list are welcomed.

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REVERSIBILITY OF	X-IRRADIATION-INDUCED EFFECTS	POWE	EL	61 RXE
EFFECT OF LOCAL	X-IRRADIATION ON GROWTH CAPACI	STRA	RL	61 ELX
CTED FOR SURVIVAL UNDER	X-IRRADIATION	VOGE	HH	62 VRD
RE AND AFTER WHOLE-BODY	X-IRRADIATION	RAHM	YE	62 EML
F RATS AFTER WHOLE-BODY	X-IRRADIATION	RAHM	YE	62 APB
TEO SARCOMAS IN MICE BY	X-IRRADIATION	FINK	MP	62 IOS
AN	X-RAY INVESTIGATION OF ALLOYS	DARB	JB	61 XIA
ION AGAINST DAMAGE FROM	X-RAYS	WEBB	RB	62 EAM
UM IODIDE (THALLIUM) TO	X-RAYS AND LOW ENERGY GAMMA RA	KAIS	WC	62 RSI
ICAL SPECIES INDUCED BY	X-RAYS IN CELLS AND THEIR ROLE	POWE	EL	61 CSI
ED SATELLITE DISCOVERER	XVII	KEIT	JE	61 SRR
M TWENTY TO TWENTY-NINE	YEARS AFTER INTRAVENOUS ADMINI	MARI	LD	62 RRM
IN HUMANS FROM 20 TO 29	YEARS AFTER INTRAVENOUS ADMINI	MILL	CE	62 RRH
NOSYL-L-HOMOCYSTEINE IN	YEAST	DUER	JA	62 FMS
SPHEROPLASTS OF THE	YEAST CANDIDA UTILIS	SVIH	GE	61 SYC
RAVIOLET IRRADIATION ON	YEAST CELLS	SCHL	FR	61 EUI
ON ON THE METABOLISM OF	YEAST CELLS	SCHL	FR	61 EIR
ON OF FULLY DEUTERIATED	YEASTS TORULOPSIS UTILIS AND S	MOHA	VS	62 NRC
NATION OF THE OXIDATION	YIELD OF THE FRICKE DOSIMETER	ANDE	AR	62 CDO
CHEMICAL	YIELDS OF IONIZING RADIATIONS	GORD	SH	61 CYI
IDE, TERBIUM DICARBIDE,	YTTERBIUM DICARBIDE, LUTECIUM	ATOJ	MA	61 NDS
IES OF CALCIUM CARBIDE,	YTTRIUM CARBIDE, LANTHANUM DIC	ATOJ	MA	61 NDS
NEW	YTTRIUM ISOMERS OF MASSES 86 A	HASK	LA	61 NYI
DE, YTTRIUM HYDRIDE AND	YTTRIUM DEUTERIDE	FLOT	HE	62 TPZ
E, ZIRCONIUM DEUTERIDE,	YTTRIUM HYDRIDE AND YTTRIUM DE	FLOT	HE	62 TPZ
OF YTTRIUM HYDRIDE AND	YTTRIUM DEUTERIDE FROM 5 TO 35	FLOT	HE	62 HCT
RMODYNAMIC FUNCTIONS OF	YTTRIUM HYDRIDE AND YTTRIUM DE	FLOT	HE	62 HCT
PRESSURES OF SCANDIUM,	YTTRIUM AND LANTHANUM	ACKE	RJ	62 VPS
NEUTRON REACTIONS WITH	YTTRIUM, ZIRCONIUM AND NIOBIUM	MOLD	PA	62 AFN
,HELIUM-3 REACTION NEAR	Z EQUAL 28	YNTE	JL	61 DHR
OF THE ARGONNE 12.5-BEV	ZERO GRADIENT SYNCHROTRON	WHEE	RV	61 HPC
ALYSES FOR EXPERIMENTAL	ZERO POWER FAST REACTOR ASSEMB	FISC	GJ	61 MAA
PREPOWER	ZERO POWER REACTOR PHYSICS EXP	SHAF	DH	61 PZP
	ZEROS OF A REAL POLYNOMIAL BY	BARE	EH	61 ZRP
ROTONS WITH THE ARGONNE	ZGS	COHE	DA	62 FAP
	ZINC BROMIDE WINDOWS FOR NEUTR	YOUN	CH	61 ZBW
DE OF LITHIUM FLUORIDE,	ZINC SULFIDE, AND LUCITE	HELM	FH	62 ENS
SOLUBILITIES IN LIQUID	ZINC -- ZIRCONIUM, NIOBIUM, MO	MART	AE	61 SLZ
CTIONS FOR ZINC-64(N,2N)	ZINC-63 AND ZINC-64 (N,P) COPP	RAYB	LA	61 RCS
INC-64(N,2N)ZINC-63 AND	ZINC-64 (N,P) COPPER-64	RAYB	LA	61 RCS
G OF ALPHA PARTICLES BY	ZINC-64 AND ZINC-68	BROE	HW	62 ISA
TION CROSS SECTIONS FOR	ZINC-64(N,2N)ZINC-63 AND ZINC-	RAYB	LA	61 RCS
ARTICLES BY ZINC-64 AND	ZINC-68	BROE	HW	62 ISA
AND PLUTONIUM OXIDES BY	ZINC-MAGNESIUM ALLOY	KNIG	JB	61 EFC

ERMINATION OF OXYGEN IN	ZINC, CADMIUM AND MAGNESIUM BY	HOLT	BD	61	DOZ
SYSTEMS OF URANIUM WITH	ZINC, CADMIUM, GALLIUM, INDIUM	JOHN	IR	62	TBS
ERMINATION OF OXYGEN IN	ZINC, CADMIUM AND MAGNESIUM BY	HOLT	BD	62	DOZ
G OF FAST NEUTRONS FROM	ZINC, COPPER, ZIRCONIUM AND NI	REIT	DA	62	ESF
ON DIFFRACTION STUDY OF	ZINC(X) MANGANESE(1-X) FERRITE	WOYC	JH	61	NDS
OF SINGLE CRYSTAL ALPHA	ZIRCONIUM	FISH	ES	61	AEM
HE HEAT OF FORMATION OF	ZIRCONIUM TETRAFLUORIDE	GREE	EL	61	FBC
CORROSION OF	ZIRCONIUM ALLOYS AND STAINLESS	GREE	SH	62	CZA
STUDIES ON BINARY	ZIRCONIUM ALLOYS IN OXYGEN AND	MISC	RD	62	SBZ
CORROSION OF	ZIRCONIUM ALLOYS AND STAINLESS	GREE	SH	62	CZA
	ZIRCONIUM ALLOYS FOR USE IN SU	GREE	SH	61	ZAU
ITIES IN LIQUID ZINC --	ZIRCONIUM, NIOBIUM, MOLYBDENUM	MART	AE	61	SLZ
CORROSION OF	ZIRCONIUM ALLOYS IN SUPERHEATE	MISC	RD	61	CZA
ONIUM-COBALT-OXYGEN AND	ZIRCONIUM-NICKEL-OXYGEN	NEVI	MV	61	ZCT
OF THE TERNARY SYSTEMS	ZIRCONIUM-COBALT-OXYGEN AND ZI	NEVI	MV	61	ZCT
THE	ZIRCONIUM-RICH CORNERS OF THE	NEVI	MV	61	ZCT
FRACTION STUDIES OF THE	ZIRCONIUM-DEUTERIUM SYSTEM	SIDH	SS	61	NDS
CONIUM HYDRIDE IN ALPHA	ZIRCONIUM CRYSTALS	WEST	DG	62	PZH
PRECIPITATION OF	ZIRCONIUM HYDRIDE IN ALPHA ZIR	WEST	DG	62	PZH
ECT-FREE SMALL DIAMETER	ZIRCONIUM ALLOY TUBING	BEAN	CH	62	FDS
S OF ZIRCONIUM HYDRIDE,	ZIRCONIUM DEUTERIDE, YTTRIUM H	FLOT	HE	62	TPZ
MODYNAMIC PROPERTIES OF	ZIRCONIUM HYDRIDE, ZIRCONIUM D	FLOT	HE	62	TPZ
RONS FROM ZINC, COPPER,	ZIRCONIUM AND NIOBIUM	REIT	DA	62	ESF
REACTIONS WITH YTTRIUM,	ZIRCONIUM AND NIOBIUM	MOLD	PA	62	AFN
LOR-CENTER PHENOMENA IN	ZONE-REFINED POTASSIUM CYANIDE	SUSM	SH	62	CPZ
TRON POWER STUDIES WITH	ZPR-III	LONG	JK	61	FNP
THEORETICAL ANALYSES OF	ZPR-III FAST CRITICAL ASSEMBLI	MENE	DA	61	RAP
CRITICAL STUDIES WITH	ZPR-III FOR THE ENRICO FERMI F	DOYL	TA	62	CSZ

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