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**Publications of
Los Alamos Research
1983**

Compiled by

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PUBLICATIONS OF LOS ALAMOS RESEARCH 1983

INTRODUCTION

The Los Alamos National Laboratory, which is operated for the US Department of Energy (DOE) by the University of California, was founded in 1943 as part of the wartime Manhattan Project at the site of the Los Alamos Ranch School, a boys' preparatory school in the mountains of northern New Mexico. It had a single assignment—to create the world's first nuclear fission bombs. Success in that task, one of the greatest scientific and technological achievements of all time, was followed by equal success in developing the first thermonuclear weapons. Since 1952, the Laboratory has diversified its programs, and, while still serving as one of the nation's two development centers for nuclear weapons, Los Alamos now devotes about one-half of its total effort to unclassified research, exploring several peaceful applications of nuclear, conventional, and alternative forms of energy. Los Alamos research covers a broad spectrum, ranging from medium- and low-energy nuclear physics research to programs involving medical and biological effects of radiation and basic work in molecular and cellular biology.

Major nonweapons activities at Los Alamos are energy research in fields such as superconducting electrical energy transmission and storage, solar and geothermal energy development, laser fusion research and laser isotope separation, and controlled thermonuclear research using magnetic confinement.

Facilities used in such research at the Laboratory include specialized laboratories; a nuclear reactor designed for a variety of experiments; and particle accelerators such as the 24-MeV, three-stage Van de Graaff particle accelerator and the 27-MeV electron accelerator designed to produce a very intense, very short burst of x rays for high-speed flash radiography. At the Los Alamos Meson Physics Facility, where physics experiments are carried out and where production of a variety of radioisotopes for medical use is under way, an 800-MeV, 1-mA-beam linear accelerator produces beams of protons, mesons, and other nuclear particles with intensities up to 10 000 times greater than those available elsewhere. Another of the Laboratory's facilities, ZT-40, is a toroidal reversed-field device for controlled thermonuclear research involving magnetic confinement of hot plasmas for fusion research. A Central Computing Facility with five Cray-1s, four CDC 7600s, and three Cyber 825s assists in the Laboratory's research.

The Laboratory as of 1983 employed approximately 7200 persons, about one-third of whom are scientists and engineers. The total operating costs of the Laboratory, excluding construction, are about \$580 million per year. The investment in DOE-owned buildings and capital equipment at Los Alamos is over \$849 million.

PREFACE

The Los Alamos Libraries' continuing program of locating, recording, and announcing publications of Los Alamos-sponsored research has resulted in the previous publications: "Selected Bibliography of Publications of LASL Research, 1957-1962" (LAMS-2895 and supplement), "Publications of LASL Research" for each of the years 1963 through 1966, "Publications of LASL Research, 1967-1971" (LA-5400-MS), "Publications of LASL Research, 1972-1976" (LA-6755-MS, Vols. I and II), and "Publications of Los Alamos Research, 1977-1981" (LA-3435-MS, Vols. I and II).

This bibliography is a compilation of unclassified publications of work done at the Los Alamos National Laboratory for 1983. Papers published in 1982 are included regardless of when they were actually written. Publications received too late for inclusion in earlier compilations have also been listed. Declassification of previously classified reports is considered to constitute publication. All classified issuances are omitted—even those papers, themselves unclassified, which were published only as part of a classified document. If a paper was published more than once, all places of publication are included.

The bibliography includes Los Alamos National Laboratory reports, papers released as non-Laboratory reports, journal articles, books, chapters of books, conference papers either published separately or as part of conference proceedings issued as books or reports, papers published in congressional hearings, theses, and US patents. Publications by Los Alamos authors that are not records of Laboratory-sponsored work are included when the Library becomes aware of them.

The arrangement in each bibliographical citation is title first, place(s) of publication, indented, and authors, further indented. The CHEMICAL ABSTRACTS abbreviation is used for journal citations except for the capitalization. The group designations given after the authors' names indicate the groups with which the authors were associated when the papers were written. Parenthetical information includes report and reprint numbers, book call numbers, and patent numbers. The parentheses indicate the information by which Los Alamos borrowers may obtain the material from the Los Alamos Libraries.

The entries are arranged in sections by broad subject categories. Within each section they are alphabetical by title. All types of publications are interfiled.

The author and numeric indexes refer to the item numbers, which consist of a number designating the section followed by a dash and a number for the alphabetic arrangement of the item within the section. In the numeric index, the LA- and LA-xxxx-MS, etc., numbers of reports are interfiled.

There is a Keyword-in-Context index in microfiche format in a pocket at the end of the volume.

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The Libraries gratefully acknowledge the assistance of members of the Laboratory's Computing and Communications Division and the Administrative Data Processing Division for assistance with the computerized system for handling publication information.

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ADVANTAGES AND LIMITATIONS OF THE SETS METHOD.
 TIC,
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 MAHAFFY, JOHN H. (Q-9)
- 33-2**
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 KNIGHT, THAD D. (Q-9)
- 33-3**
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 LILES, DENNIS R. (Q-9)
 MAHAFFY, JOHN H. (Q-9)
 GIGUERE, PAUL T. (Q-9)
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 MARTZ, HARRY F., JR. (S-1)
 JOHNSON, J. W.
- 33-5**
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 TIC,
 1982. 39P. MN (LA-UR-81-2899)
 IRELAND, JOHN R. (Q-DO)
- 33-6**
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 PHILLIPS, JOHN R. (Q-1)
 BOSLER, GERALD E. (Q-1)
- 33-7**
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 KASHIWA, B. A. (T-3)
 TORREY, MARTIN D. (T-3)
- 33-8**
COMPARE CONTAINMENT SUBCOMPARTMENT ANALYSIS CODE EVALUATION.
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 GIDO, RICHARD G. (Q-7)
 KOESTEL, A.
- 33-9**
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 IDAR, E. S. (Q-6)
- 33-10**
COMPARISON OF TRAC - PD2 CALCULATIONS TO EMERGENCY - CORE - COOLANT BYPASS DATA.
 TIC,
 1982. 14P. MN (LA-UR-82-1787)
 MEIER, JOHN K. (Q-9)
- 33-11**
COMPARISONS OF TRAC - PF1 CALCULATIONS WITH SEMISCALE MOD - 3 SMALL - BREAK TESTS OF S - 07 - 10D, S - SB - P1, AND S - SB - P7.
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 SAHOTA, M. S. (Q-9)
- 33-12**
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 SAHOTA, M. S. (Q-9)
- 33-13**
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 GIDO, RICHARD G. (Q-7)
 KOESTEL, A.
- 33-14**
EFFECT OF THE REACTOR COOLANT PUMPS FOLLOWING A SMALL BREAK IN A PRESSURIZED WATER REACTOR.
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 ELLIOTT, JAN L. (Q-7)
 LIME, JAMES F. (Q-7)
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- 33-15**
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 DEMUTH, NELSON S., JR. (Q-7)
 DOBRANICH, DEAN (Q-7)
 SAHOTA, M. S. (Q-9)
 WATSON, CHARLES E. (Q-6)
- 33-16**
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 ELLIOTT, JAN L. (Q-7)
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 FUGELSO, LEIF ERIK (Q-13)
 BUTLER, THOMAS A. (Q-13)
- 33-19**
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- 33-20**
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 MOTLEY, FRANK E. (Q-8)
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MOORE, J. A.		TIC.	TIC,	
		1982. 25P. MN (LA-UR-82-0342)	1983. 14P. MN (LA-UR-82-1928)	
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TRANSIENT TWO - PHASE FLOW EQUATIONS.	TIC.	33-32	33-40	
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	LILES, DENNIS R. (Q-9)	TRANS. AM. NUCL. SOC.,	LOS ALAMOS,	
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RIVARD, WILLIAM C. (T-3)		BOUDREAU, JOAN M. (Q-6)	1983. 24P. MN (LA-UR-82-1821)	
		HAARMAN, ROY A.	LIME, JAMES F. (Q-7)	
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IN TWO - PHASE FLOW CALCULATIONS.	TIC,	REVIEW OF SOLUTION APPROACH, METHODS,	TRAC - PF1 CHOKED - FLOW MODEL.	
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			DEMUTH, NELSON S., JR. (Q-7)	
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POST-TEST ANALYSIS OF SEMISCALE LARGE		STEAM - GENERATOR - TUBE - RUPTURE TRANS-	TRAC - PF1 MODELING AND A PRESSURIZED	
BREAK TESTS - 06 - 3 USING TRAC - PF1.	TIC,	IENTS FOR PRESSURIZED WATER	THERMAL SHOCK CALCULATION FOR	
	1982. 10P. MN (LA-UR-82-1939)	REACTORS.	OCONEE - 1.	
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S-UT-6 AND S-UT-7 USING TRAC PF1.	TIC,	DEMUTH, NELSON S., JR. (Q-7)		
	1983. 28P. MN (LA-UR-82-1665)			
	BOYACK, B. E. (Q-9)			
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FOR FLECHT SEASET TEST 31504.	TIC,	PRESSURIZED - THERMAL - SHOCK - INDUCED	DISTRIBUTION EFFECTS ON FORCED - FEED	
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	BOOKER, C. P. (Q-9)	TIC,	TIC,	
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33-31		DOBORNICH, DEAN (Q-7)	FUJITA, R. K. (Q-8)	
		33-38	33-46	
		THERMAL-HYDRAULIC ANALYSIS OF MAIN STEAM -	TRAC ANALYSIS OF STEAM GENERATOR	
		LINE - BREAK ACCIDENTS AS	OVERFILL TRANSIENTS FOR TMI - 1.	
		POTENTIAL INITIATORS FOR REACTOR	TIC,	
		VESSEL PRESSURIZED THERMAL SHOCK.	1983. 30P. MN (LA-UR-82-1786)	
		TIC,	BASSETT, BRITT (Q-7)	
		1983. 38P. MN (LA-UR-82-1820)		
		LAMKIN, DAVID E. (Q-7)		
			33-47	
			TRAC ANALYSIS OF THE EFFECT OF	
			INCREASED ECC SUBCOOLING ON THE	
			REFLOOD TRANSIENT IN THE SLAB	
			CORE TEST FACILITY.	
			TIC,	
			1982. 16P. MN (LA-UR-82-1438)	
			SMITH, SUZANNE T. (Q-8)	

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EFFECTS TESTS IN THE SLAB CORE TEST
FACILITY.

TIC,

1982. 9P. MN (LA-UR-82-2429)
SMITH, SUZANNE T. (Q-8)

33-49

TRAC ANALYSIS SUPPORT FOR THE 2D/3D
PROGRAM.

TIC,

1982. 41P. MN (LA-UR-82-2834)
WILLIAMS, KEN A. (Q-8)

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OF A COMBINED ECC - INJECTION PWR.
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CAPPIELLO, MICHAEL W. (Q-8)

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SPRIGGS, GREGORY D. (Q-7)
SMITH, RUSS C. (Q-7)

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UNMITIGATED BORON DILUTION EVENTS IN
A PWR.
TIC,
1982. 31P. MN (LA-UR-82-1716)
HENNINGER, RUDOLPH J. (Q-7)
WOODRUFF, SUSAN B. (Q-8)

33-53

VERIFICATION OF THE THREE - DIMENSIONAL
THERMAL - HYDRAULIC MODELS OF THE TRAC
ACCIDENT ANALYSIS CODE.

TIC,

1982. 15P. MN (LA-UR-82-1452)
MOTLEY, FRANK E. (Q-8)

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35-1 EXAMINATION OF FAST REACTOR FUELS AND FBR ANALYTICAL QUALITY-ASSURANCE STANDARDS AND METHODS, JULY 1-SEPTEMBER 30, 1982. LOS ALAMOS, 1983. 9P. (LA-09630-PR) MARAMAN, WILLIAM J. (CMB-DO)	35-4 EXAMINATION OF FAST REACTOR FUELS AND FBR ANALYTICAL QUALITY ASSURANCE STANDARDS AND METHODS, APRIL 1-JUNE 30, 1983. LOS ALAMOS, 1983. 5P. (LA-09844-PR) MARAMAN, WILLIAM J. (MST-DO)	35-6 STATUS OF STEADY STATE IRRADIATION TESTING OF MIXED-CARBIDE FUEL DESIGNS. TIC, 1983. 6P. MN (LA-UR-83-1248) HARRY, GLENN ROBERT (CMB-11)
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BOHL, WILLIAM R. (Q-7)

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BAARS, RALPH E. (Q-7)

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BOTT, T. F. (Q-7)
SMITH, RUSS C. (Q-7)

36-4
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GAPS IN LMFBR'S - A CALCULATIONAL METHOD
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DE VAULT, GUILLAUME P. (Q-7)

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TRANSITION - PHASE CALCULATION FOR
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LUCK, LARRY B. (Q-7)

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BELL, CHARLES R. (Q-7)

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BOTT, T. F. (Q-7)
DEARING, JAMES F. (Q-7)
LUCK, LARRY B. (Q-7)

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SIMMER-II ANALYSIS OF SHORT-RISETIME, TWO
COMPONENT, TRANSIENT BOILED-UP POOL SIMU-
LATION TESTS.
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 SCHNEIDER, W. (CTR-6)
 BETANCOURT, OCTAVIO
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 HURLEY, GEORGE F. (MST-5)
 KLAFFKY, R. W.
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 TIC,
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 CLINARD, FRANK W., JR. (MST-5)
- 37-4
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SMITH, HASTINGS A., JR. (Q-1)

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5-6		BOWERSOX, DAVID F. (CMB-11)
5-82		53-28
47-97		

BOWLES, THOMAS J. (P-3)		BROWN, JOSEPH A. (ESS-3)
48-31	39-49	45-2
50-46	BRANDT, BRUCE L.	BROWN, LEE F. (ESS-5)
50-62	38-23	16-74
50-109	38-50	BROWN, MARK K.
BOWMAN, ALLEN L. (T-14)	BRANDT, J. C.	50-92
3-21	48-65	BROWN, ROBERT C.
BOWMAN, J. DAVID (MP-4)	BRAU, CHARLES A. (AT-DO)	47-81
49-61	44-82	BROWN, ROBERT D. (MP-7)
50-1	49-48	44-27
50-70	49-50	BROWN, RONALD E. (P-3)
50-74	49-68	44-24
50-93	49-87	44-45
50-95	BRAU, CHARLES A. (AT-1)	48-31
50-102	49-111	50-27
50-129	BRAU, CHARLES A. (NSP/DST)	50-78
BOWMAN, JOEL M.	49-47	50-112
5-62	BRault, J. W.	50-113
BOWMAN, MELVIN G.	31-8	50-123
5-78	BREEDLOVE, JAMES R. (M-5)	50-124
5-85	39-77	50-138
BOWMAN, MELVIN G. (CMB-DO)	BRENGLE, THOMAS A.	50-144
5-58	56-5	BROWN, STANLEY K. (MP-1)
BOWYER, S.	BRENNER, DAVID J. (MP-3)	39-157
48-62	2-49	BROWN, WILBUR K. (P-15)
48-97	49-122	48-52
BOYACK, B. E. (Q-7)	50-33	BROWNE, JOHN C. (P-3)
33-35	51-8	50-46
BOYACK, B. E. (Q-9)	BRICE, LINDA (ADP-2)	BROWNELL, JOHN H. (X-2)
24-17	39-52	14-11
33-28	39-101	14-41
33-29	BRICE, RICHARD STELL (C-8)	14-63
BOYD, JOHN K.	39-19	BROWNING, RICHARD V. (WX-11)
56-5	39-40	39-29
BOYD, R. N.	39-119	BROXTON, DAVID E. (ESS-2)
50-138	BRINKLEY, F. W., JR. (T-1)	42-8
BOYD, THOMAS J., JR. (AT-1)	39-113	BRUCKNER, LAWRENCE A. (S-1)
44-42	BRITT, HAROLD C. (P-3)	43-8
44-43	50-55	BRUGGER, ROBERT M.
BOYER, KEITH (DIR-0)	50-61	50-98
1-2	BRITTIENHAM, T. L.	BRUGGER, ROBERT M. (P-8)
30-9	19-3	31-32
32-1	BRIXNER, BERLYN (M-5)	BRUNSON, G. S. (Q-2)
49-47	49-86	53-9
49-48	BROLLEY, JOHN E., JR. (P-14)	BRUNSON, G. S., JR. (Q-2)
49-50	31-12	50-49
49-87	39-47	53-10
BRABERS, VIC A. M.	BRONISZ, STANLEY E. (MST-5)	BRYSON, MAURICE C. (S-1)
47-68	40-2	39-111
BRACKBILL, JEREMIAH U. (CTR-6)	40-9	39-122
37-1	40-11	BUCHANAN, GEORGE R. (Q-13)
BRACKBILL, JEREMIAH U. (X-1)	40-12	37-19
30-26	40-13	BUCHENAUER, C. JERALD (CTR-7)
30-41	40-14	17-9
39-10	40-15	17-13
39-42	40-16	17-14
49-17	40-17	37-16
BRADBURY, JAMES N. (MP-3)	40-18	BUCHER, INGRID Y. (C-3)
49-76	40-19	39-32
49-98	BROOKINS, D. G.	39-35
BRADY, F. P.	41-5	BUCHLER, J. ROBERT (TD-9)
50-33	BROOME, TIM	48-6
BRAILE, L. W.	50-130	BUCHWALD, MELVIN I. (ESS-7)
16-43	BROWMAN, ANDREW A. (MP-DO)	49-80
BRAINARD, JAMES R. (INC-4)	50-79	BUDEN, DAVID (DAD/NP)
5-33	BROWN, B. A.	40-6
BRAKE, RICHARD JOSEPH (H-4)	50-42	40-10
2-48	BROWN, DAVID R. (MST-6)	40-21
31-20	38-2	BUHL, THOMAS E. (H-8)
BRAMSON, E.	BROWN, DONALD W. (ESS-4)	16-4
47-51	21-13	16-40
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BUILTA, LEE A. (M-4)		CAIRD, ROBERT S., JR. (M-6)		CARLINI, ROGER D. (MP-4)
44-49		14-8		44-1
BUNKER, MERLE E. (INC-5)		14-12		44-30
34-1		14-22		50-74
42-30		14-24		50-94
BURKE, D. G.		14-26		50-95
50-123		14-28		50-127
BURKETT, MICHAEL W. (Q-6)		14-40		CARLISLE, LARRY O. (E-2)
33-9		14-57		44-38
33-44		14-62		CARLSON, B
BURKHARDT, LOUIS C. (CTR-2)		49-94		53-18
17-9		CALDWELL, JOHN T. (Q-2)		CARLSON, RICHARD V. (MST-3)
17-12		34-3		26-1
17-13		42-18		CARLSTEN, BRUCE E. (AT-5)
17-27		CALLEN, J. D.		44-11
37-4		18-20		CARLSTEN, JOHN L. (CHM-6)
BURKS, CHRISTIAN (T-10)		CAMPBELL, ARTHUR W. (M-3)		49-81
39-127		3-3		CARPENTER, JAMES P. (P-2)
BURLESON, GEORGE R.		3-4		30-42
50-67		CAMPBELL, BILLY M. (CMB-14)		CARPENTER, SUSAN G. (LS-1)
50-92		14-35		2-4
BURMAN, ROBERT L. (MP-4)		CAMPBELL, CHARLES TAYLOR (CHM-2)		2-5
50-62		5-25		2-47
50-117		CAMPBELL, CHARLES TAYLOR (CMB-8)		CARR, WILFRED J.
50-120		5-65		42-41
BURNETT, D. S.		CAMPBELL, DAVID K. (CNLS)		CARROLL, D. E.
14-7		49-110		49-102
BURNS, S.		50-106		CARROLL, THOMAS A. (CTR-4)
48-64		51-20		18-10
BURRIS, ANTHONY E. (S-2)		51-29		CARROLL, W. L.
25-12		51-33		29-18
BURRITT, TOM H. (P-3)		51-34		CARRUTHERS, LUCY M. (Q-13)
50-46		CAMPBELL, DAVID K. (T-8)		39-28
BURTON, BARRY W. (H-12)		51-32		CARRUTHERS, PETE F. A. (T-DO)
42-12		CAMPBELL, EVELYN W. (LS-4)		48-17
BURTON, BARRY W. (LS-6)		28-30		50-40
42-1		CAMPBELL, GEORGE M. (CMB-11)		51-11
42-21		32-19		51-36
42-38		CAMPBELL, JOHN R. (WX-8)		51-37
42-45		50-51		51-39
BUSSOD, GILLES Y. A. (ESS-3)		CAMPBELL, KATHERINE (S-1)		CARTWRIGHT, DAVID C. (T-12)
16-72		24-4		47-25
BUTCHER, ROBERT R. (AP-1)		39-27		CARWILE, CLIFTON
32-10		CAMPBELL, LAURENCE J. (P-10)		19-1
BUTH, L.		49-106		19-8
50-29		49-146		CARY, J. R. (X-3)
BUTLER, J. L. B.		CANNON, MICHAEL T. (M-4)		49-39
2-4		39-17		CASH, DANIEL J. (ESS-3)
BUTLER, THOMAS A. (Q-13)		CANNON, THOMAS M. (M-5)		1-3
33-18		39-16		16-17
33-31		CANTONI, VIRGINIO		16-18
BUZBEE, BILLY L. (C-DO)		39-77		18-19
39-57		CANTRELL, EMMETT L. (CTR-3)		16-20
39-121		37-16		16-36
39-154		CAPDRUSCIO, FLORIE A. (ESS-1)		16-39
39-161		42-8		20-2
BYERS, FRANK M. (ESS-1)		CAPPIELLO, MICHAEL W. (Q-8)		CASHWELL, EDMOND D. (X-6)
42-34		33-50		39-147
BYRNE, R. N.		CARAMANA, EDWARD J. (CTR-6)		CASPERSON, DONALD E. (P-6)
18-4		56-6		30-22
CAHN, JULIUS H.		56-11		CASS, ANNA (T-5)
48-73		CARBARY, J. F.		51-46
		48-45		CASSING, W.
		CARCHIDI, M.		50-119
		50-131		CAYTON, THOMAS E. (CTR-6)
		CARDEN, R.		56-6
		19-10		CECIL, F. E.
		19-12		50-75
		CARDEN, RICHARD S.		CERMAK, A. F.
		19-14		53-8

CHAIKIN, PAUL M.	CIZEWSKI, JOLIE A. (P-7)	COCHRANE, J. C. (CTR-3)
38-42	50-112	17-2
CHAMBERLIN, DAVID D.	50-113	17-5
44-33	50-123	17-17
44-86	50-144	COCKS, GEORGE G. (ESS-2)
CHAMBERS, FRANK W.	CLABORN, GARNETT W. (E-8)	19-4
14-33	39-137	CODDINGTON, PAUL
14-34	CLANCY, SEAN P. (T-6)	33-2
CHAN, M. K. W.	48-37	COFFELT, K. P. (CHM-1)
28-25	48-111	40-8
CHANCE, M. S.	CLANCY, SEAN P. (X-7)	COFFIN, DON OWEN (CMB-3)
56-6	48-133	37-24
CHANDLER, GEORGE I. (CTR-8)	CLARK, BRADLEY ALLAN (T-1)	COGBILL, ALLEN H. (ESS-3)
17-9	39-140	16-37
18-5	CLARK, BRADLEY ALLAN (X-6)	COHEN, BRUCE I.
CHANG, H. H.	39-69	56-5
14-53	CLARK, D.	COHEN, JAMES S. (T-12)
CHANNELL, PAUL J. (AT-6)	48-62	47-27
39-72	48-97	47-85
44-21	CLARK, R.	49-139
44-40	37-17	COKAL, EDWARD J. (LS-6)
44-44	CLARK, ROBERT EDWARD HOLMES	42-30
49-6	47-80	42-31
CHAO, ALEXANDER W.	CLAWSON, CARL W.	42-32
49-140	50-125	42-47
CHAPlINE, GEORGE F.	CLEMENS, GARY	COLE, PETER W.
47-45	19-6	48-131
CHARLES, ROBERT W. (CNC-11)	CLEMENTS, JULIA S. (H-5)	COLE, THOMAS E (ESS-8)
22-2	29-1	48-99
CHARLES, ROBERT W. (CNC-7)	CLEMENTS, WILLIAM E. (ESS-7)	48-125
21-23	16-15	COLE, THOMAS E.
42-36	16-44	48-34
42-37	16-45	COLGATE, STIRLING A. (T-6)
CHEFETZ, R.	16-58	48-54
49-61	48-13	48-72
CHEN, ANITA I. (H-8)	CLEMENTS, WILLIAM E. (G-8)	48-89
16-40	16-53	48-100
16-69	CLENEAY, C.	48-103
CHEN, DAVID JEN-CHI (LS-3)	48-15	48-104
2-15	CLIFTON, DAVID G. (CMB-11)	COLLIN, M.
2-19	4-4	50-6
2-23	CLINARD, FRANK W., JR. (CMB-5)	COLLINS, LEE A. (T-4)
CHENEY, J. A. (ESS-5)	38-7	47-1
16-10	38-13	47-38
CHERNOFF, N.	38-14	47-55
2-1	CLINARD, FRANK W., JR. (MST-5)	47-56
CHOW, JEFF (C-3)	37-2	47-80
39-160	37-3	COLLINS, MAURICE W. (C-8)
CHOWDHURI, P. (CTR-9)	38-8	39-158
37-21	38-53	COLLINSWORTH, PAUL R. (Q-1)
CHOWDHURI, PRITINDRA (CTR-4)	CLINE, J. F.	53-23
18-10	42-4	COLSON, WILLIAM B.
18-21	CLINE, MICHAEL C. (T-3)	49-19
CHRIEN, ROBERT E. (CTR-3)	49-18	49-131
17-2	CLOSE, DONALD A. (H-4)	COLTON, EUGENE P. (MP-14)
17-5	42-18	44-9
17-17	CLOUT, PETER N. (AT-3)	44-71
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4-2	CLOUTMAN, LAWRENCE D. (T-3)	COMFORT, J. R.
4-3	32-20	50-73
CHRISTENSEN, ELDON L. (MST-12)	39-108	50-102
38-41	COBB, DONALD D. (ESS-7)	COMPERE, E. L.
CHU, K. R.	53-5	28-25
37-17	53-34	COMPUTER DOCUMENTATION GROUP (C-2)
CHUTJIAN, A.	53-35	39-38
47-25	COBURN, MICHAEL D. (WX-2)	COMUZZI, J.
CIERJACKS, S.	3-1	49-61
50-29	COCHRAN, DONALD R. F. (MP-DO)	CONLEY, ANDREW P. (AT-3)
CISNEROS, M. R. (INC-11)	50-117	44-57
42-43		

CONNELL, JOHN L. (ADP-2)	CORT, GARY (P-10)	CREEL, BOBBY J.
39-52	38-24	16-1
39-101	CORT, GEORGE E. (WX-4)	CREEL, LARRY RAY (C-3)
CONNER, JERRY P. (ESS-DO)	14-27	39-36
48-141	COST, JAMES RICHARD (CMB-8)	39-45
COOK, JAY H. (CMB-14)	49-79	CREMERS, DAVID A. (AP-4)
31-21	COST, JAMES RICHARD (MST-5)	5-47
COOK, JAY H. (MST-14)	38-9	32-8
14-32	COTTINGAME, W. B.	32-24
COOK, R. DENNIS (S-1)	50-92	CREMERS, DAVID A. (CHM-4)
39-116	COUGHLIN, G. C.	5-14
COOK, THOMAS L. (ESS-5)	48-27	26-11
16-49	COULTER, C. ALTON (Q-4)	31-24
COOK, WILLIAM A. (WX-4)	37-8	32-27
39-97	53-54	CREMERS, T. L. (CMB-1)
COOKE, D. W.	COUNCE, DALE A. (ESS-2)	5-41
47-57	21-23	5-42
47-67	COUTURES, JEAN-PIERRE	CREMERS, T. L. (CNC-4)
COOKE, D. W. (MP-3)	5-44	5-47
49-32	COWAN, GEORGE A. (ADCEL)	CRISCUOLO, ALPHONSE L. (E-8)
COOPER, B. R.	48-110	13-3
38-36	50-115	CROMER, DON T. (CMB-5)
COOPER, DAVID E. (CMB-10)	COWAN, ROBERT D. (T-4)	5-66
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COOPER, FREDERICK M. (T-8)	COX, ARTHUR N. (T-6)	47-9
51-2	48-9	CROMER, DON T. (INC-4)
51-10	48-33	5-71
51-15	48-35	CRONIN, JAMES W.
51-26	48-36	51-9
COOPER, MARTIN D. (MP-4)	48-37	CROSS, EUGENE W. (P-5)
49-61	48-73	30-1
50-70	48-74	30-14
50-93	48-75	30-29
50-102	48-76	49-2
50-120	48-82	CROSS, JON B. (CHM-2)
50-127	48-90	47-60
50-129	48-111	CROSS, JON B. (CNC-2)
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25-4	48-126	CROWE, BRUCE M. (INC-7)
39-75	48-127	42-3
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44-54	48-133	CROWE, KENNETH M.
50-62	48-144	50-72
COOPER, RICHARD K. (AT-6)	COX, EARL J. (H-1)	50-125
30-24	42-17	CROWELL, JOHN M. (H-4)
44-7	COX, MARGARET MCABEE (M-3)	42-9
44-59	3-3	CRUTCHFIELD, JIM (CNLS)
44-70	COAIG, JAMES L. (ESS-1)	51-45
49-140	43-3	CUCCHIARA, ALFRED L. (H-1)
CORDOVA, FRANCE ANNE (ESS-9)	43-7	28-6
48-12	CRAM, L. SCOTT (LS-4)	CUTLER, ROBERT L. (P-5)
48-19	2-9	30-12
48-41	2-40	30-36
48-62	2-53	CVERNA, FRANK H. (P-15)
48-113	CRANDALL, KENNETH R. (AT-1)	50-93
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48-117	44-46	50-129
48-137	44-63	D'ANNA, JOSEPH A. (LS-1)
CORDOVA, FRANCE ANNE (P-4)	CRANE, SHARON L. (IS-6)	2-8
48-3	3-17	2-11
CORDOVA, FRANCE ANNE (SSO)	CRANE, T. W. (Q-1)	2-21
48-97	42-18	DABIRI, A. E.
CORNELIUS, WAYNE D. (MP-10)	53-6	18-26
49-89	CRANFILL, CHARLES W. (X-7)	DAGAZIAN, ROSTOM Y. (CTR-6)
CORNET, EDWARD P.	39-66	37-1
49-151	49-73	56-6
CORRELL, FRANCIS D. (P-3)	CRAWFORD, BRIAN D. (LS-3)	DAHME, W.
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CORT, BARBARA (CMB-3)	2-25	
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37-17	50-138	16-40
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24-9	53-53	DHUGA, K.
DALY, BART J. (T-3)	DE CLERC, J. G.	50-131
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33-7	DE LEON, NELSON	37-17
33-24	51-43	DI MARCO, JOSEPH N. (CTR-DO)
DAMJANOVICH, ROBERT FAUL (MP-8)	DE LUCA, R. A.	17-9
50-74	18-16	DI MARCO, JOSEPH N. (CTR-2)
DANEN, WAYNE C.	18-17	37-4
28-22	DE POORTER, GERALD L. (LS-6)	DICELLO, JOHN F., JR. (MP-3)
DANIELS, KATHRYN S. (INC-7)	42-12	2-12
42-33	42-21	DICK, JERRY JOEL (M-3)
DANIELS, WILLIAM	42-26	3-18
49-53	42-38	3-20
DANIELS, WILLIAM R. (INC-11)	42-40	DICK, RICHARD DEAN (M-2)
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42-27	DE VAULT, GUILLAUME P. (Q-7)	44-61
42-33	36-4	DICKMAN, DONALD O. (WX-8)
42-39	DE VEAUX, J. C.	30-34
42-43	50-19	DICUS, DUANE A.
DAS, ASHOK	DEADRICK, F. J.	48-18
51-10	14-65	48-105
51-26	DEAN, JOHN W. (CTR-9)	48-124
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21-17	DEARING, JAMES F. (Q-7)	DIENES, JOHN K. (T-3)
49-148	33-27	16-55
DAUB, GUIDO H.	36-7	DIETERLE, BYRON D.
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DAVIDSON, RICH FRANK (WX-4)	DEAVEN, LARRY L. (LS-4)	DIMOUPOULOS, SAVAS
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50-34	DECKER, EDWARD R.	DINEGAR, ROBERT H. (M-7)
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50-36	DECKER, L	3-12
50-37	53-18	DINEGAR, ROBERT H. (WX-7)
DAVIES, WILLIAM J.	DEHNHARD, DIETRICH	3-16
16-30	50-5	DIVEN, BENJAMIN C. (P-DO)
DAVIS, B. A.	DEMUTH, NELSON S., JR. (Q-7)	34-4
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DAVIS, CECIL G. (X-5)	33-36	DOBRAINICH, DEAN (Q-7)
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49-151	DENDY, JOEL E., JR. (T-7)	DOBROZATZ, BRIGITTA M. (M-1)
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47-26	39-105	DOBROTT, D.
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11-4	DENES, PETER	DODDER, DONALD C. (T-2)
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47-100	DENISON, A. B.	51-21
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3-6	DENNIS, BERT R. (G-3)	38-28
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47-54	DENTON, MICHAEL M. (CNC-5)	DOGLIANI, HARALD O. (AT-DO)
DAYEM, HASSAN ALY (Q-4)	5-5	44-28
53-34	DENTON, MICHAEL M. (INC-5)	44-85
53-35	42-30	DOLBERG, KATHLEEN M. (H-4)
53-52	DERR, J. A.	39-79
	18-20	DOLESCHALL, PAL
	DESPOMMIER, DICKSON	50-78
	2-20	DOLL, JIMMIE D. (CHM-2)
	DETCH, J. LEWIS, JR.	5-28
	49-102	5-36
	DEUPREE, ROBERT G. (X-5)	DOLL, JIMMIE D. (CNC-2)
	48-131	5-22
	DEVANEY, JOSEPH J. (X-6)	47-94
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	DEVORE, ROBIN K. (H-5)	DOLL, MARGARET A. (C-3)
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49-109		ECKERT, JUERGEN (P-8)
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50-62		47-47
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DOOLEN, GARY D. (X-5)	56-19	50-12
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DORON, ALEX	DUCHANE, DAVID V. (CMB-6)	50-66
50-93	38-65	ECKHARDT, ROGER C. (AP-2)
50-129	DUCHANE, DAVID V. (MST-6)	5-35
DOSS, JAMES D. (MP-3)	5-54	EDDY, ANDREA C.
2-42	38-54	21-16
DOTY, WARREN R. (CMB-6)	DUCLOS, J	EDDY, ANDREA C. (G-6)
29-1	50-117	21-8
DOVE, RICHARD C. (Q-13)	DUDZIAK, DONALD J. (S-4)	EDESKUTY, FREDERICK J. (P-10)
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DOVICH, NORMAN J. (CNC-2)	18-8	EDESKUTY, FREDERICK J. (S-4)
2-2	39-69	5-61
5-4	DUDZIAK, DONALD J. (T-1)	26-6
47-53	50-136	EDGETT, LAWRENCE B. (AP-2)
DOWDY, EDWARD J. (Q-2)	DUFFEY, THOMAS A.	31-3
34-3	14-54	EDWARDS, C. L. (ESS-3)
50-69	DUFFY, CLARENCE J. (INC-11)	1-3
53-20	42-43	43-3
53-38	DUKOWICZ, JOHN K. (T-3)	43-7
53-45	49-107	EDWARDS, DAVID F. (AP-2)
53-46	DUNBAR, DOUGLAS L. (P-14)	49-59
53-68	31-33	EKDAHL, C.
DOWELL, FLONNIE (T-4)	DUNCAN, D. R.	37-17
47-74	53-42	EKDAHL, CARL A., JR. (P-1)
47-75	DUNCAN, LEWIS M. (P-4)	49-62
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51-28	DUNCAN, LEWIS M. (SSO)	18-20
DOWNEY, STEPHEN W. (CHM-2)	48-47	ELDER, JOHN C. (H-5)
5-64	48-67	28-1
5-68	DUNNING, THOMAS H., JR.	ELLER, P. GARY (CNC-4)
DOWNING, JAMES N., JR. (CTR-7)	47-93	5-38
17-9	DUONG-VAN, MINH	42-48
18-15	48-17	ELLER, P. GARY (INC-4)
DOWNING, JAMES N., JR. (CTR-8)	50-40	5-41
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DRAKE, DARRELL M. (P-3)	DURAN, P.	ELLIOTT, C. JAMES (X-1)
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50-86	DURKEE, JOE W.	ELLIOTT, GUY R. B. (G-9)
DRAPER, WILEY E. (H-7)	49-4	14-61
42-6	DURLAK, EDWARD R.	ELLIOTT, JAN L. (Q-7)
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42-30	DYER, PEGGY (P-3)	ELLIOTT, JIMMY C (M-4)
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42-32	47-98	ELLIS, J. E.
42-47	48-31	16-7
DREESEN, DONALD S. (ESS-4)	50-110	ELLIS, WALTON P. (CHM-2)
19-4	EARLEY, LAWRENCE MARK	5-25
DREICER, JARED S. (Q-11)	44-1	5-75
29-3	44-30	38-34
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47-99	EAST, JENNIFER	EMMERT, G. A.
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49-81	EATON, EDWIN EUGENE (MST-6)	ENDEBROCK, ELTON G. (Q-13)
	30-8	14-42
	ECCLESTON, GEORGE W. (Q-1)	
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	ECHO, MAURICE W.	
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ENGELKE, RAY P. (M-3)	ESTES, GUY P. (X-6)	FEIGENBAUM, MITCHELL J. (T-7)
3-8	33-21	49-123
3-26	39-78	49-144
49-132	ETHRIDGE, C. DWAYNE (C-5)	FELBER, FRANK S.
ENGER, M. DUANE (LS-DO)	53-59	14-12
2-7	ETTINGER, HARRY J. (H-5)	FELDMAN, BARRY J. (L-9)
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2-25	28-21	FELDMAN, WILLIAM C. (ESS-8)
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2-34	EVANS, A.	48-43
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33-32	53-68	48-58
33-40	EVANS, DENIS J.	48-93
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50-16	EVANS, MICHAEL L. (Q-1)	48-102
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5-3	EVANS, W. DOYLE (ESS-9)	48-140
5-23	48-53	FELTHOUSER, MARK (LS-6)
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5-73	EVERETT, CORNELIUS J. (X-6)	FENIMORE, EDWARD E. (ESS-9)
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47-70	EWALD, ROBERT H. (C-DO)	48-53
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50-141	39-117	FENTON, D. E.
ENGLERT, P. (NON LAN)	EXTERMANN, RICHARD C.	28-36
48-107	50-63	FENTON, D. L.
48-136	FAEHL, R. J. (X-8)	24-9
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5-27	50-75	FERRIS, MONTY J. (AP-4)
42-39	FAIRES, LYNDA M. (CHM-1)	32-17
42-43	5-20	FERRIS, MONTY J. (CHM-4)
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42-27	FAKLEY, DENNIS C.	32-29
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49-61	FALLIEROS, S.	FESEN, ROBERT A.
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50-70	FALTENS, A.	FESSER, KLAUS (T-11)
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50-102	FAN, WESLEY C.	51-6
50-129	39-8	51-18
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14-8	FARMER, J. DOYNE (T-7)	51-33
14-12	39-55	FICKETT, WILDON (M-3)
14-24	49-55	3-14
14-26	FARRELL, JOHN ALDEN (AT-2)	FIELDS, L.
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14-40	44-28	FIFE, PAUL C.
14-62	44-85	39-15
49-94	FASANO, D. M.	39-135
ERICKSON, GEORGE F. (AP-1)	5-57	FINCH, FRANCIS T. (AP-DOT)
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ERICKSON, GEORGE F. (CHM-5)	FAZIO, MICHAEL V. (AT-5)	FINNEY, BEN R.
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ERKKILA, BRUCE H. (H-4)	44-43	48-66
31-20	44-47	FISCHLER, WILLY (T-8)
31-28	44-58	48-27
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42-42	FEHLER, MICHAEL C.	
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FISHER, KAY J. (X-7)		FORSLUND, DAVID W. (X-1)		FREEMAN, BRUCE L. (CTR-3)
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FISHER, ROBERT A. (AP-5)		30-26		FREEMAN, BRUCE L. (M-6)
39-25		30-41		14-8
FISHER, ROBERT A. (CHM-6)		49-17		14-12
26-9		FORTUNE, H. T.		14-24
26-15		50-92		14-26
26-22		50-131		14-28
49-88		FOSS, MARTYN H. (AT-6)		14-38
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30-44		FOSTER, RICHARD D. (AT-5)		14-40
FISK, ZACHARY (MST-5)		14-44		14-57
37-13		FOWLER, CLARENCE M. (M-6)		14-62
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38-48		14-12		FREEMAN, DAVID L. (CHM-2)
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38-64		14-26		5-28
FITZGERALD, D. H. (MP-13)		14-28		5-36
50-33		14-40		FREEMAN, SUSAN B. (EES-2)
FITZGERALD, T. J.		14-62		16-16
29-4		49-94		FREEMAN, SUSAN B. (ESS-2)
FITZGERALD, THOMAS JOSEPH		FOWLER, ERIC B. (LS-6)		41-2
29-5		42-42		FRESE, KENNETH B. (CTR-8)
FLAUGH, HARRY L. (WX-3)		FOWLER, J. D. (MST-5)		37-16
3-4		37-9		FREIDBERG, JEFFREY P. (CTR-6)
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31-13		48-2		37-11
31-18		FOWLER, MALCOLM M. (INC-7)		FREIWALD, JOYCE G.
FLOYD, RICHARD A. (MP-13)		48-78		43-10
39-120		50-55		FRERE, J. M.
39-126		50-61		50-118
FLYNN, EDWARD R. (P-3)		FOX, RICHARD		FREUND, SAMUEL M. (ADLL)
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50-123		FRAENKEL, ZEEV (P-3)		FREUND, SAMUEL M. (PL)
50-138		50-55		5-34
50-144		50-61		32-31
FLYNN, EDWARD R. (P3)		FRANCE, STEPHEN W. (Q-2)		FREUNDEL, MANFRED
50-112		53-45		48-108
FOLLANSBEE, PAUL S. (CMB-5)		FRANCESCHINI, VALTER		FRIAR, JAMES L. (T-5)
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49-149		FRANEY, M. A.		50-23
FOLLANSBEE, PAUL S. (MST-5)		50-1		50-39
38-20		50-5		50-99
FOLTYN, ELIZABETH MAY (CNC-4)		FRANK, JAMES S. (MP-4)		50-111
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FOLTYN, STEPHEN R. (AP-2)		50-79		50-133
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49-101		51-24		19-5
49-126		FRANK, JOSEPH A.		FRIEDLANDER, G.
FONER, SIMON		11-2		5-37
38-23		FRANK, THURMAN G. (S-5)		FRIEDRICH, CARL C. (AT-5)
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FORD, GEORGE P. (INC-11)		31-18		49-147
5-31		42-18		FUGELSO, LEIF ERIK (Q-13)
FORD, JOSEPHINE R. (C-3)		FRANTZ, CHARLES E. (CMB-5)		33-18
39-160		49-149		FUJITA, R. K. (Q-8)
FORD, ROBERT F. (E-8)		FRASER, JOHN S. (AT-4)		33-45
44-57		44-78		FUKA, MARY A. (AT-3)
FORD, WENDELL (Q-4)		44-82		44-57
39-12		FRASER, JOHN S. (AT-7)		FULLER, EDWARD G.
FOREST, CHARLES A. (T-14)		49-68		50-39
3-2		FRASER, SUSAN L. (INC-DO)		FULLER, WENDY WEBB
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FORMAN, PETER R. (CTR-8)		FRAUENFELDER, H.		GAC, FRANK D. (MST-6)
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17-9		FREDERICKSON, PAUL O. (C-3)		GAFFNEY, EDWARD S. (ESS-5)
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		FREEDMAN, BARRY A.		16-73
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	47-19	GENTRY, RICHARD A. (T-3)	32-20	GITOMER, STEVEN J. (X-1)	30-22
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	49-14	GEORGE, DAN	39-71	GLADD, N. THOMAS (CTR-6)	17-17
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GALLEGOS, ANTHONY F. (H-8)	16-71	GEORGE, JAMES E. (C-6)	2-41		5-55
GALVEZ, J. CRUZ ROBLES	53-17	GEORGE, JOHN S. (LS-DO)	37-17	GLANCY, J. E.	16-23
GALVIN, G. J.	26-12	GERBER, K.	38-58	GLASHAUSSER, C.	50-73
GANCARZ, ALEXANDER J. (CNC-11)	50-60	GERHARDT, W.	47-40	GLASS, G.	50-8
GANRUD, B. W.	16-13	GERRITY, DANIEL P. (CHM-2)	39-106		50-109
GARCIA, CLEMENTE (Q-2)	53-20	GERSTL, S. A. W. (T-DOT)	39-152	GLEASON, ANDREW M.	50-143
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	53-22	GERWIN, RICHARD A. (CTR-6)	37-11	GLEESON, A. M.	48-18
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GARCIA, LEROY L. (H-5)	28-2	GETTEMY, DONALD J. (AP-2)	32-28	GLISSMEYER, J. A.	28-25
GARCIA, SAMMY R. (CNC-5)	5-5	GIBBS, WILLIAM R. (T-5)	50-7	GLOWNIA, JAMES H. (CHM-4)	49-142
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GARDE, RAYMOND (H-7)	42-17	GIBSON, BENJAMIN F. (T-5)	50-2		39-127
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GARN, WRAY B. (M-6)	14-28		50-88		21-9
	14-40		50-96		21-23
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	49-94	GIDO, RICHARD G. (Q-7)	50-132	GOFF, FRASER E. (G-4)	21-22
GARRETT, B. C.	5-56		24-2		22-9
	47-46		24-3	GOFF, FRASER E. (G-6)	21-16
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GARROTT, R. A. (LS-6)	43-2		24-10	GOFORTH, JAMES H. (M-6)	14-8
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	48-93	GIFFORD, F. A.	16-75		14-26
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GAULER, ALLEN L. (MEC-4)	14-6		GILMAN, R.	GOLDIN, G. A.	25-1
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	5-80	GIORGİ, ANGELO L. (CMB-3)	3-25		53-36
			GIORGİ, ANGELO L. (MST-5)		53-70
			38-23	GOLDMAN, AARON S. (S-1)	39-68
		GIRRENS, STEVE P. (Q-13)	14-27		

GOLDMAN, ROBERT S. (X-1)	GOSS, RON	GRIBBLE, ROBERT F. (CTR-4)
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30-41	GOSWAMI, J. N.	GRIEGGS, ROBERT JOHN (AT-4)
GOLDMAN, TERENCE J. (T-5)	48-114	44-38
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50-114	GRACE, W KEVIN	GRIFFITH, BARBARA B. (LS-3)
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GOLDSTEIN, BYRON (T-10)	GRADY, DENNIS E.	2-13
2-18	48-52	GRIFFITH, J. F.
GOLDSTEIN, JOHN C. (X-1)	GRAF, JOSEPH M. (H-1)	42-43
30-34	28-1	GRIFFITH, JEFFREY KNOWLES (LS-3)
49-19	GRAF, WILLIAM L.	2-7
9-34	14-53	2-13
49-35	GRAHAM, ALAN LYMAN (WX-4)	2-34
49-50	14-27	GRIFFITH, MARLA F. (LS-1)
49-87	GRAM, PETER A. M. (MP-4)	28-24
49-131	50-79	GRIGSBY, CHARLES O. (ESS-4)
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31-32	48-19	GRISHAM, DONALD L. (MP-7)
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GONZALES, JOE L.	GREENE, ARTHUR E. (X-2)	GROSSO, JOHN S. (P-14)
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28-2	GREENE, NANCY E. (AT-3)	GUBERNATIS, JAMES E. (T-11)
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13-2	50-92	GUERRA, FRANCISCO M. (WX-11)
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GOODMAN, D. WAYNE	GREENWOOD, DONALD R. (AT-4)	GUNDERSON, THOMAS C. (H-8)
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GORDON, ROBERT A. (IS-2)	GREGOIRE, GHISLAIN	GUNTHER, HANS C.
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48-44	28-36	2-21
48-49	28-37	2-27
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48-58	39-73	2-29
48-69	39-151	2-43
48-70	GREINER, NORMAN R. (CHM-1)	GUTIERREZ, JOSE A. (H-1)
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48-94	8-2	28-32
48-101	GRIBBLE, ROBERT F. (CTR-3)	
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GUTMACHER, R. G. (Q-4)	HAMM, ROBERT W. (AT-1)	HARPER, MICHAEL D.
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53-36	HAMMEL, JAY E. (CTR-DO)	HARPER, MICHAEL D. (S-1)
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53-54	HAMMER, D. A.	HARPER, RONALD
GUTMANN, JAMES T. (G-4)	37-17	50-74
22-15	HAMMER, JAMES H.	HARPER, RONALD W.
GUTSCHICK, VINCENT P. (G-3)	56-5	50-95
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28-10	26-12	HARRISON, JAMES F. (MP-1)
49-29	31-16	39-62
51-40	HAN, SOOK-JONG (X-2)	39-120
GUY, HAROLD P.	30-21	39-126
14-53	HANKS, KENNETH W. (AP-1)	HARRISON, WALTER A.
HAARMAN, ROY A.	32-25	47-35
33-33	HANLEY, CAROL	HARRY, GLENN ROBERT (CMB-11)
HABERSTICH, ALBERT (CTR-2)	48-20	35-6
17-9	HANNERS, JOHN L. (LS-3)	HART, G. K.
17-27	2-13	29-18
37-4	HANOLD, ROBERT J. (ESS-DOT)	HART, GREGORY W. (MP-13)
HAFER, JOHN F. (Q-4)	21-3	44-4
53-32	21-6	HART, VALGENE E. (MP-8)
53-51	21-7	50-127
HAFIZI, B.	21-11	HARTEN, AMI
39-24	HANOLD, ROBERT J. (G-DOT)	39-132
HAGENSON, RANDY L.	19-13	HARTFORD, ALLEN, JR. (AP-4)
18-2	22-5	32-17
18-3	HANSEL, JAMES M. (CMB-1)	32-21
18-4	4-1	HARTFORD, ALLEN, JR. (CHM-DO)
18-11	HANSEN, WAYNE R. (H-8)	26-11
18-12	16-4	31-24
37-4	16-40	HARTMAN, C. W.
HAHN, JOHN W., JR. (WX-4)	16-60	56-5
44-86	42-35	HARTMANN, F. J.
HAIRE, RICHARD G.	42-44	47-90
38-55	HANSON, KENNETH M. (M-4)	HARVEY, ALEXANDER (AT-5)
HAKKILA, E. ARNOLD (Q-4)	39-18	44-62
53-34	HANSON, KENNETH M. (M-5)	HARVEY, JEFFREY A.
53-35	39-94	48-28
53-67	HARBARGER, W.	50-63
HAKONSON, THOMAS E. (LS-6)	53-39	HATCHER, CHARLES R. (Q-1)
16-28	HARBUR, DELBERT R. (MST-13)	53-4
42-4	50-105	HAUCKE, HANS
42-14	HARDEKOPF, ROBERT A. (AT-3)	14-56
42-21	44-24	49-91
42-26	44-45	49-119
42-38	44-60	49-143
42-40	50-27	HAUER, ALLAN (P-4)
HALBIG, JAMES K. (Q-1)	50-75	30-22
53-41	50-124	30-35
53-44	HARDESTY, CHARLES	30-41
HALE, GERALD M. (T-2)	30-2	30-45
50-19	HARDIE, R. WAYNE (S-DOT)	47-26
50-28	11-2	HAUER, J. F.
HALLECK, MARGARET S. (LS-1)	HARGIS, KENNETH M. (H-5)	10-1
2-3	28-2	10-2
HALLECK, PHILLIP M. (ESS-3)	28-20	HAWKINS, WARD L. (ESS-1)
45-1	28-28	16-30
HAM, DAVID OTTO (AP-4)	HARGROVE, CLIFFORD K. (MP-4)	HAWS, LOWELL D.
47-20	50-117	3-16
HAMILTON, W. C.	HARLOW, FRANCIS H. (T-3)	HAXTON, WICK C. (T-5)
37-6	39-37	48-110
HAMLIN, GRIFFITH A. (C-6)	39-142	50-13
39-56	HARNED, DOUGLAS S. (CTR-6)	50-21
39-71	17-17	50-32
HAMM, MARIANNE E. (P-1)	56-5	50-41
53-68	HARPER, A. P. (Q-6)	50-59
HAMM, MARIANNE E. (Q-2)	14-37	50-115
53-38	HARPER, JOHNNY R. (H-1)	
	42-7	

HAY, P. JEFFREY (T-12)	HELLER, ERIC J. (T-12)	HICKS, J.
47-2	5-7	53-39
47-36	39-128	HIEBERT, J. C.
47-91	47-7	50-8
47-93	47-81	50-78
49-132	47-99	HIGGINS, EDWARD FRANCIS (AT-3)
HAYASHI, IKUO	51-43	44-37
31-7	HELLER, LEON (T-5)	44-66
HAYES, EDWARD F.	50-48	44-81
47-92	51-31	HILDEBRAND, CARL E. (LS-3)
HAYNIE, JOHN S. (H-1)	HELLWEGE, HERBERT E.	2-6
28-31	5-40	2-7
28-32	HELMICK, CATHERINE	2-13
HAYWARD, GARY A.	19-10	2-25
14-4	HEMSING, WILLARD F. (M-7)	2-34
HAYWARD, THOMAS D.	39-163	2-55
44-39	39-164	HILFIKER, KENNETH
HEALY, JOHN W. (H-DO)	HENDERSON, DALE B. (X-DO)	48-20
28-7	39-30	HILL, DANIEL
28-26	HENDRON, ROBERT H. (G-4)	50-57
HEAPHY, ROBERT T.	22-6	HILL, JAMES H. (G-4)
39-137	HENICKSMAN, ARTHUR V. (CMB-8)	22-11
HEATON, RICHARD C. (CHM-1)	43-1	HILL, N. W.
40-4	HENINS, IVARS (CTR-5)	50-63
40-8	17-15	HILL, THOMAS R. (T-1)
HEATON, RICHARD C. (CMB-8)	17-17	39-153
8-3	18-6	HILL, THOMAS R. (X-6)
HECK, F. M.	18-22	39-53
18-16	18-23	39-63
18-17	37-16	39-64
HECKER, SIEGFRIED S. (CMB-DO)	HENLEY, ERNEST M. (T-5)	HILLEBRAND, CARY
38-17	50-41	22-13
38-33	50-96	HILLS, JACK G. (T-6)
38-66	HENNINGER, RUDOLPH J. (Q-7)	48-39
HECKER, SIEGFRIED S. (MST-DO)	33-27	48-40
26-7	33-36	48-50
35-5	33-43	48-51
38-15	33-52	48-77
38-19	HERBST, D.	HINDI, MICHAEL M.
38-21	38-5	50-13
38-26	HERBST, RICHARD J. (EP/NP)	HINDMAN, K. (LS-2)
38-46	35-7	2-48
38-52	HERCZEG, PETER (T-5)	HINDS, E. A.
38-60	49-82	49-89
50-105	51-25	HINO, Y.
HEDSTROM, JAMES C. (Q-11)	HERMES, ROBERT E. (ESS-2)	50-29
29-2	45-1	HINTZ, N. M.
29-3	HERRERA, BENJIMEN (ENG-4)	50-47
29-21	40-4	HJELLMING, ROBERT M.
HEFFNER, ROBERT H. (MP-3)	40-8	48-113
38-28	HERRICK, CLAUDE C. (CMB-8)	HOBART, DAVID E.
47-57	42-13	5-40
47-66	HERRICK, CLAUDE C. (MST-12)	HOBBS, LINN W. (CMB-5)
47-67	5-42	38-14
47-68	38-57	38-44
47-88	HERSCHBACH, D. R.	HOBBS, LINN W. (MST-5)
49-32	47-77	38-13
50-79	HERZOG, GREGORY F.	HODGE, DENNIS
50-82	48-8	48-20
HEIKEN, GRANT H. (ESS-1)	HEWETT, DENNIS W. (CTR-5)	HODSON, STEPHEN N. (ESS-5)
21-25	17-17	48-133
22-14	37-11	HODSON, STEPHEN W. (ESS-5)
42-8	56-5	48-35
HEIKEN, GRANT H. (G-DOT)	56-6	HODSON, STEPHEN W. (T-6)
22-4	56-9	48-37
22-9	56-10	48-76
HELFICK, J.	56-20	48-112
50-46	HEWITT, THOMAS G. (CTR-6)	48-126
	56-6	48-132
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HOEHN, MARTHA V. (MP-13)		HOLLAND, REDUS F. (CHM-4)		HOWELL, ROBERT B. (CTR-2)
47-69		32-32		17-9
47-78		47-3		17-10
50-83		47-86		17-27
50-103		HOLLAS, C. L.		37-4
HOFFER, JAMES K. (P-10)	50-143	50-143		HOYLE, CHARLES D.
HOFFERS, BERNHARD (ESS-4)	21-9	HOLLEN, ROBERT M. (CHM-1)	5-9	50-13
HOFFERT, WILLIAM J.	44-68	HOLLEY, CHARLES E., JR. (CNC-2)	21-12	HSU, H. H. (Q-2)
HOFFMAN, CYRUS M. (MP-4)	44-4	HOLLSTEIN, ULRICH	2-48	50-69
	44-36	HOLM, DARRYL D. (CNLS)	39-107	HSU, Y. C.
	49-93		49-95	39-82
	50-77	HOLM, ROBERT O.		HSUE, SIN-TAO (Q-5)
	51-23	14-29		49-52
	51-24	HOLT, ROY J.		53-4
	51-35	49-61		53-5
	51-47	HOLT, S. S.		53-24
HOFFMAN, DARLEANE C. (CNC-DO)	50-44	48-46		53-28
HOFFMAN, DARLEANE C. (INC-DO)	5-31	HOLTKAMP, DAVID B. (AT-2)	44-20	53-29
	5-86			53-37
	42-33	HOLTKAMP, IRMA S. (IS-4)	25-8	HU, BAMBI
HOFFMAN, G. W.	50-56	HOMMERT, PAUL J.	43-13	49-125
	50-73	HOMUTH, EMIL F. (ESS-3)	1-3	HUANG, CHAO YUAN (P-10)
HOFFMAN, NELSON M. (X-5)	32-27	20-2		38-29
HOFLER, T.	49-36	HONES, EDWARD W., JR. (ESS-8)	48-48	38-36
HOFLER, THOMAS J. (P-10)	49-60		48-71	38-42
HOFMANN, HELMUT	50-54		48-79	49-128
	50-54	HONIG, EMANUEL M. (E-11)	48-88	HUDSON, CASSANDRA (G-4)
HOGAN, BILLY M. (CMB-6)	30-36	14-50	48-102	22-13
HOGAN, BILLY M. (MST-6)	30-12	HOPPE, M. M.		HUEBNER, WALTER F. (T-4)
HOGAN, GARY E. (MP-13)	44-4	48-43		48-5
HOHLA, KRISTIAN LUDWIG (AP-2)	49-50	48-70		49-30
HOIDA, HIROSHI W. (CTR-5)	17-15	48-93		HUFF, JAMES R. (E-11)
	17-17	HORAK, HENRY G. (ESS-7)	39-129	11-1
	18-6		39-129	11-5
	18-22	HORNE, KEITH	48-19	11-8
	18-23	HORNING, R. R. (C-4)	39-36	HUGHES, V. W.
HOISTAD, BO (MP-10)	50-56		39-45	50-117
HOLIAN, BRAD LEE (T-14)	49-134	HORTON, EVERETT H. (G-4)	16-46	HULL, DONALD E. (MST-7)
HOLIAN, BRAD LEE (T-4)	47-31	HOSFORD, CHARLES D. (CMB-6)	49-70	38-45
	47-58	HOWARD, JERRY	2-5	HUMPHRY, FREDERICK J. (AT-1)
	47-84	HOWARD, JOSEPH	47-47	44-76
HOLLABAUGH, CHARLES M. (MST-3)	38-45	HOWE, S. D. (P-9)	50-18	HUNN, BRUCE D. (Q-11)
HOLLABAUGH, J. S.	44-33	HOWE, S. D. (X-2)	50-29	29-7
HOLLAND, LAURENCE M. (LS-DO)	2-45	HOWELL, JO ANN (P-11)	39-34	29-10
	28-5		39-34	29-24
	28-24	HOWELL, JO ANN (S-1)	7-2	29-25
HOLLAND, REDUS F. (AP-4)	47-4			HUNTER, RAYMOND E. (TD-2)
	47-5			50-142
	47-48			HURD, JAMES W. (MP-2)
				44-72
				HURLEY, GEORGE F. (MST-5)
				37-2
				HUTSON, JUDITH Y. (INC-4)
				5-33
				HUTSON, RICHARD L. (MP-3)
				47-57
				47-66
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				HYDE, P. J. (E-11)
				14-7
				HYMAN, JAMES M. (T-7)
				39-1
				39-4
				39-61
				39-76
				39-109
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				39-141

HYNES, M. V. (MP-4)	JANNEY, JOAN L. (WX-2)	JOHNSON, KENDAHL J. (Q-1)
47-61	3-28	53-40
IDAR, E. S. (Q-6)	3-29	JOHNSON, MIKKEL B. (MP-DO)
24-3	30-4	50-52
33-9	30-5	50-71
IDZOREK, G. C.	JARAMILLO, STEVEN A. (P-15)	50-101
44-25	31-14	50-120
IGO, G.	JARBOE, THOMAS R. (CTR-5)	JOHNSON, NORMAN LEE
50-47	17-15	14-27
IMRE, DAN G.	17-17	JOHNSON, SUSAN S. (Q-1)
47-51	18-6	53-18
INGRAHAM, JOHN C. (CTR-2)	18-22	53-28
17-9	18-23	53-29
17-27	18-25	53-55
31-17	37-16	JOHNSON, TAMARA M. (AP-2)
INUZUKA, EIJI	JARMER, JOHN J. (MP-7)	32-28
31-7	49-23	49-129
IRELAND, JOHN R. (Q-DO)	50-8	JOHNSON, WILLIAM J.
33-5	50-57	22-1
IROM, FAROKH	JARMIE, NELSON (P-3)	JOLIN, L. J. (AP-2)
50-70	44-24	32-18
50-102	44-45	JOLIN, L. J. (CHM-5)
ISENSTEIN, ROBERT S.	48-31	49-101
2-20	50-27	JONES, C. E. R. (ESS)
IVERSON, ARTHUR E. (E-7)	50-75	7-3
31-34	50-124	JONES, CLAUDE R. (AP-2)
IVERSON, STEVEN G.	JARVINEN, GORDON D. (CNC-4)	30-15
31-12	5-70	JONES, CLAUDE R. (CHM-6)
IWASHITA, Y.	JASON, ANDREW JOHN (AT-3)	49-80
44-16	44-37	49-85
IWASHITA, Y. (AT-1)	44-59	49-90
44-17	49-65	49-129
JACKSON, DARRYL D. (CHM-1)	JENNINGS, LEROY	JONES, ERIC M. (ESS-5)
5-9	31-12	1-1
JACKSON, H. E.	JENSEN, D. A.	25-2
49-61	50-118	26-4
JACKSON, JAMES O. (H-5)	JENSEN, KENNETH ALAN (ESS-8)	48-66
28-20	48-19	48-139
JACKSON, JASPER A., JR. (ESS-3)	JENSEN, KENNETH ALAN (P-4)	JONES, GERARD FRANK (Q-11)
45-2	48-97	29-2
JACKSON, PAUL J. (LS-4)	JENSEN, REED J. (NSP/IF)	29-3
2-13	32-30	29-5
JACKSON, SYDNEY V. (S-4)	JEPPESEN, RANDOLPH H.	JONES, GERARD FRANK (Q-13)
11-2	50-102	29-4
JACOBSON, ABRAM R. (CTR-2)	JETER, I. W.	JONES, K.
17-7	53-50	50-47
17-9	JETT, JAMES H. (LS-DOT)	50-73
17-13	5-4	JONES, LARRY A. (P-1)
17-16	JETT, JAMES H. (LS-2)	31-11
37-16	2-14	JONES, LARRY A. (P-6)
JACOBSON, JIMMY J.	JETT, JAMES H. (LS-4)	37-20
21-1	2-2	JONES, LLEWELLYN H. (CNC-4)
JAHN, R. (MST-6)	JHA, R.	47-76
5-80	48-114	JONES, LLEWELLYN H. (INC-4)
JAHODA, FRANZ C. (CTR-8)	JOHANSON, WILLIAM R. (MST-5)	5-8
17-6	38-48	5-21
17-9	JOHNSON, J. W.	47-87
18-5	33-4	JONES, MICHAEL E. (X-3)
37-16	JOHNSON, JAMES D. (T-4)	49-27
JAIN, MAHAVIR (Q-1)	47-31	49-118
50-143	JOHNSON, JAMES N. (T-14)	JONES, MICHAEL E. (X-8)
JALBERT, ROLAND A. (H-1)	3-17	49-39
28-40	3-22	49-124
JALENAK, W. A.	39-60	JONES, ROGER D. (X-1)
5-24	JOHNSON, KAYE ALLAN (MST-11)	2-50
JAMESON, ROBERT A. (AT-DO)	5-1	30-25
44-3	38-27	JONES, S.
44-35	JOHNSON, KENDAHL J. (CTR-4)	53-39
44-73	39-114	JONES, THERESA J.
44-77		2-50

JONES, WESLEY M. (CMB-3)	KELLER, RICHARD A. (CHM-2)	KING, DAVID S. (X-5)
5-83	2-2	48-112
5-85	5-45	KING, JAMES C. (M-6)
JORDAN, THOMAS LEE (C-3)	14-45	49-94
39-41	KELLER, RICHARD A. (CNC-2)	KING, N. S. P. (P-15)
JORGENSEN, BETTY S. (CMB-10)	5-4	31-14
5-19	5-26	31-25
5-80	32-14	50-18
JOSEPH, C.	47-53	50-93
50-72	KELLOGG, HARVEY J.	50-120
JOYCE, GLENN	14-29	50-129
48-118	KEMME, JOSEPH E. (Q-13)	KINNISON, W. WAYNE (MP-4)
JUDD, O'DEAN P. (AP-DO)	14-47	50-120
49-139	40-7	KINOSHITA, KATSUYUKI
JUDD, O'DEAN P. (NSP/DST)	KENEFICK, R. A.	31-7
31-27	50-8	KIRCHER, JOHN ANTHONY (CMB-8)
KADISH, ABRAHAM (X-8)	KENYON, S.	38-39
44-12	48-61	38-40
KALLNE, ELISABETH (P-1)	KEPHART, JOHN F. (P-4)	KIRCHER, MARY J. (P-6)
37-20	30-22	49-13
KAMAL, A. N.	30-41	KIRKPATRICK, RONALD C. (X-2)
50-118	KEPPLER, PAUL C.	30-30
KAMMERUD, R. C.	47-26	KIRSCHNER, CHRISTINA
29-18	KEPPLER, H.	12-5
KANIA, DON R. (P-1)	21-21	29-8
14-38	KEPPLER, H. (ESS-4)	KITCHENS, THOMAS A., JR. (P-8)
14-39	20-2	49-53
14-57	KERKER, MILTON	KITTRELL, C.
KAPRELIAN, E.	30-37	47-51
30-6	KERLEY, GERALD I. (T-4)	47-98
KARBOWSKI, J.	47-59	KIZIAH, R. R.
18-16	KERMAN, ARTHUR K.	50-92
18-17	51-31	KLAFFKY, R. W.
KARIYA, K. A.	KERN, EDWARD A. (Q-4)	37-2
16-21	53-42	KLARE, KENNETH A. (CTR-8)
KARPP, ROBERT R. (M-4)	53-52	17-9
14-54	KERR, DONALD M., JR. (DIR-O)	50-79
48-52	26-13	KLEBESADEL, RAY W. (ESS-9)
KARR, HUGH J.	26-14	48-10
37-4	26-23	48-53
KASHIWA, B. A. (T-3)	53-7	48-106
33-7	KERR, WILLIAM C.	KLEIER, DANIEL A. (T-12)
KASPAR, H.	51-6	49-132
50-117	KERRISK, JERRY F. (WX-4)	KLEIN, AMIR
KASPRZYK, THOMAS	14-24	50-45
50-57	42-25	50-135
KAUFFMAN, R. L.	42-43	KLEMENS, PAUL G. (CMB-5)
31-30	KERSHNER, JAMES D. (T-14)	38-61
31-31	3-21	KLINGNER, PHILLIP L. (CTR-5)
KAUFMANN, WILLIAM B.	3-30	17-2
50-90	KEWISH, RALPH W., JR. (CTR-6)	17-5
KEADY, JOHN J. (T-4)	17-2	17-17
49-30	17-5	KLOET, WILLEM M.
KEDDAR, A.	17-17	50-8
53-25	KEY, C. R.	50-96
53-53	28-13	KLOSTERBUER, SHIRLEY F. (Q-1)
KEDDY, EDWARD S. (Q-13)	KIDMAN, RUSSELL B. (T-6)	53-41
14-14	50-38	KMETKO, EDWARD A. (CMB-5)
14-15	KIERAS, C. E.	38-25
40-7	17-21	KNAPP, CHARLES E. (P-5)
KEEFE, DENIS	17-22	30-31
30-24	KILLEEN, J.	KNAPP, D.
KEENAN, THOMAS K. (H-7)	56-5	50-46
52-3	KIM, KYU C. (AP-3)	KNAPP, EDWARD A. (AT-DO)
KEEPIN, G. ROBERT (Q-DO/SG)	32-31	44-29
53-31	47-103	KNIGHT, DOUGLAS
KEINIGS, RHONALD K. (X-8)	KIM, KYU C. (CHM-4)	30-6
37-15	32-19	KNIGHT, JERE D. (CNC-11)
	KINDEL, JOSEPH M. (X-1)	47-90
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KNIGHT, JERE D. (INC-11)	KOMM, RICHARD	KRUSE, PETER J. (P-14)
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5-81	5-80	14-39
KNIGHT, S. D. (INC-11)	KONDO, I.	14-57
42-43	53-29	49-94
KNIGHT, THAD D. (Q-9)	KOSIEWICZ, CLAUDIA E. (Q-11)	KRUSE, THEODORE H.
33-2	29-11	48-8
33-34	29-20	KU, H. C.
KNOX, STEPHEN O. (CTR-5)	KOSS, DON A. (CMB-5)	38-49
17-15	26-7	KUBAS, GREGORY J. (CNC-4)
17-17	KOTAS, JONATHAN F. (Q-9)	5-51
17-17	23-1	5-70
17-21	39-23	KUCKERTZ, THOMAS H. (E-8)
17-22	KOZLOWSKI, THOMAS (MP-10)	42-18
18-6	39-5	KUCKERTZ, THOMAS H. (Q-2)
18-23	39-62	53-59
KNUDSEN, HAROLD K. (C-5)	39-120	KULCINSKI, G. L.
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KOCIMSKI, S. M.	KRAEMER, PAUL M. (LS-4)	KUMAR, PRADEEP
42-18	2-53	49-15
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5-66	MONDT, JOHANNES P. (CTR-6)	MOSES, RONALD W., JR. (CTR-6)
5-71	17-3	17-9
5-72	17-16	17-13
5-87	56-6	56-5
26-6	56-12	MOSS, CALVIN E. (Q-2)
26-10	56-13	53-20
47-87	MONIOT, ROBERT K.	53-38
MILLS, THOMAS R. (CNC-4)	48-8	53-68
5-69	MOODY, DAVID C. (CNC-4)	MOSS, JOEL MARSHALL (P-3)
5-74	5-48	50-47
MILNER, E.	5-59	50-58
50-56	MOODY, DAVID C. (INC-4)	MOSTROM, MICHAEL A. (X-3)
50-73	5-12	49-118
MILONNI, PETER W. (T-12)	MOODY, KENTON J.	MOSTROM, MICHAEL A. (X-8)
47-14	50-44	49-39
47-15	MOORE, BARRY N.	49-124
47-16	49-151	MOTLEY, FRANK E. (Q-8)
47-17	MOORE, C. FRED	24-16
47-19	50-73	33-20
47-41	50-92	33-53
49-14	50-131	MOTTOLA, EMIL
MILROY, RICHARD D.	MOORE, DAVID S. (CHM-4)	48-63
17-8	5-10	MROZ, EUGENE J. (CNC-7)
MINOR, MICHAEL M. (CNC-5)	5-46	16-13
5-5	47-13	MROZ, EUGENE J. (INC-7)
MIRIN, ART A.	47-18	16-70
56-5	MOORE, J. A.	MUELLER, M.
MISCHKE, RICHARD E. (MP-4)	49-8	50-64
49-150	49-37	MUELLER, MARVIN M. (P-4)
50-74	49-104	30-41
50-77	49-121	MULDERS, PETER J. (T-5)
50-79	MOORE, J. A.	51-31
50-95	33-22	MULLINS, LAWRENCE J., JR. (MST-13)
50-118	MOORE, MICHAEL S. (P-3)	4-2
50-127	50-63	MUMMA, DOUGLAS M.
51-24	MOORE, STANLEY W. (Q-11)	21-7
MISHIMA, J.	14-58	
28-25	29-1	
	29-15	

MUNK, A. CHRISTINE (LS-3)	NELSON, L. Y.	NIEUWENHUYSEN, G. J.
2-13	49-80	50-82
MURDIN, P. G.	NELSON, RONALD O. (P-9)	NILSSON, ALAN C.
48-62	50-63	32-23
48-97	NEMETHY, P.	NISHIZAWA, O.
MURPHY, HUGH D. (ESS-4)	50-117	21-18
14-33	NEUDECKER, JOSEPH W. (ESS-3)	NIX, JAMES R. (T-9)
14-34	14-16	50-14
22-14	NEUDECKER, JOSEPH W. (WX-8)	50-34
49-148	19-3	50-35
MURPHY, HUGH D. (G-4)	19-8	50-36
19-2	NEULS, ALLEN S. (H-7)	50-37
22-8	42-6	50-54
MURPHY, HUGH D. (G-5)	NEWBERGER, BARRY S (X-8)	50-89
22-16	39-67	50-121
39-82	49-39	NIXON, KERMIT V. (Q-2)
MURPHY, J. (ESS-3)	NEWKIRK, LAWRENCE R. (MST-3)	53-21
45-1	38-45	53-22
MURPHY, J. H.	NEWMAYER, JOHN M. (H-7)	53-43
18-16	42-6	53-45
18-17	42-16	NOCHUMSON, DAVID H. (S-3)
MURR, L. E.	NEWMAYER, R. A. (E-D0)	16-62
38-15	14-19	NOCHUMSON, DAVID H. (S-4)
38-33	NEWNAM, BRIAN E. (AP-2)	11-2
MURRAY, HUGH S. (E-11)	32-18	16-11
11-1	49-111	NOEL, BRUCE W. (WX-10)
11-8	NEWNAM, BRIAN E. (CHM-6)	31-14
MYDOSH, JOHN A.	49-47	NOGAR, NICHOLAS S. (CHM-2)
50-82	49-48	5-24
NACHTSHEIM, CHRISTOPHER J. (S-1)	49-50	5-45
43-8	49-58	5-57
NAGEL, P.	49-87	5-60
5-6	49-101	5-64
NAGLE, DARRAGH E. (MP-DO)	NEWSOM, C. R.	5-68
50-74	50-143	38-34
50-79	NEWTON, THOMAS W. (INC-2)	NOGAR, NICHOLAS S. (CNC-2)
50-95	42-43	47-10
51-42	NICHOLS, BILL D. (ESS-5)	NOID, D. W.
NANDA, SIRISH	16-66	47-71
50-47	39-103	47-82
50-73	NICHOLSON, NICHOLAS (Q-2)	47-83
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16-53	.53-59	39-100
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13-1	19-4	16-12
NASH, P. E.	19-11	NORRIS, THOMAS L
31-12	19-13	50-60
NATH, SUBRATA	19-14	NORTHCLIFFE, LEE CONRAD
50-78	NICKEL, GEORGE H. (X-2)	50-8
NAUMANN, ROBERT A.	14-11	50-78
47-90	14-41	NORTON, JOHN L. (C-5)
NAVATIL, JAMES D.	14-63	39-145
38-41	NICKOLS, JOYCE W. (LS-3)	NORVELL, VINCENT E.
NAYAK, U. P.	2-23	5-40
14-32	NICOLAENKO, BASIL (T-7/CNLS)	NORWELL, G. A.
NEAL, TIMOTHY R. (M-4)	39-15	48-11
14-54	39-135	NOVAT, J. D. (Q-6)
NEARY, JOAN (IS-1)	39-149	14-37
25-5	NIEDNER, M. B.	NOWAK, ANDREW V. (AP-5)
NEBEL, R. A. (CTR-6)	48-65	47-20
56-6	NIELSON, CLAIR W. (CTR-10)	NUCKOLS, ERNEST B. (G-2)
56-11	39-137	19-5
56-14	NIELSON, CLAIR W. (CTR-6)	NUNNALLY, WILLIAM C. (E-11)
NEEDHAM, G. A.	37-11	14-48
50-33	NIEMCZYK, THOMAS M.	NUNZ, GREGORY J. (ESS-DOT)
NEEPER, DONALD A. (Q-11)	5-73	21-10
29-6	47-49	39-124
29-14	NIETO, MICHAEL MARTIN (T-8)	NURMIA, MATTI J.
NELSON, GILBERT B. (CMB-1)	49-29	50-44
40-4	51-7	
	51-40	

NYHAN, JOHN W. (LS-6)	OLSEN, KENNETH H. (ESS-3)	PALMER, BYRON A. (CHM-1)
16-26	16-17	5-3
42-9	16-18	5-23
42-26	16-19	5-50
NYITRAY, A. M. (CMB-8)	16-20	5-73
43-1	16-39	31-8
NYLANDER, R. F. (AT-5)	16-43	47-70
44-47	16-64	47-100
O'BRIEN, HAROLD A. (INC-3)	OLSEN, W. A. (P-15)	PANIGRAHI, NUENTI
5-53	16-40	49-128
50-80	OLSEN, WILLIAM A. (H-8)	PARIS, R. B. (CTR-6)
O'BRIEN, P. D.	16-14	56-6
42-47	OLSON, C. E. (P-3)	PARK, WONCHULL
O'DELL, R. DOUGLAS (T-1)	47-66	56-6
18-27	ONSTOTT, EDWARD I. (CMB-8)	PARKER, GARY
O'DELL, R. DOUGLAS (X-6)	5-32	14-53
39-87	5-79	PARKER, JACK L. (Q-1)
39-113	OONA, HENN (P-4)	53-1
O'NEILL, J. O.	30-41	53-28
56-5	OOSTENS, JEAN M.	53-60
O'ROURKE, JOHN A. (CMB-8)	51-16	53-64
43-1	OOTHOUDT, M. A. (MP-1)	PARKER, JOHN L. (MST-12)
O'ROURKE, PETER J. (T-3)	39-5	28-3
39-88	39-62	PARKER, JOSEPH R. (P-5)
OAKES, WILLIAM R., JR. (WX-3)	39-120	30-6
39-97	39-126	PARKER, LARRY E. (ESS-6)
OBA, KOICHIRO	ORR, HUGH DON (ENG-8)	16-46
31-7	14-36	PARKIN, DON M. (CMB-8)
OGARD, ALLEN E. (INC-7)	ORTH, CHARLES J. (CNC-11)	37-8
42-28	47-90	PARKINSON, WILLIAM J. (WX-4)
42-29	OSET, EULOGIO	28-5
42-39	50-122	PARSONS, W. M. (CTR-9)
42-43	OSTENAK, CARL ANDREW (Q-4)	37-5
OGLE, J. W. (P-14)	53-8	PARTER, S. V.
14-51	OSTERKAMP, WAITE R.	49-9
14-52	14-53	PASCHMANN, GOTZ
31-14	OSTLIE, DALE A.	48-43
31-25	48-73	48-49
OGLE, WILLIAM (WPC-2)	OSTLUND, H. GOTE	PASCUAL, C.
50-51	48-129	5-44
OKA, TAKAMITSU (T-5)	OTT, EDWARD	PASIEKA, DONALD F. (MEC-4)
50-97	39-55	14-6
50-118	OTT, MARTIN ADOLF (INC-3)	PASSELL, LAURENCE
51-38	5-53	49-53
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31-7	48-55	39-153
OKINAKA, RICHARD T. (LS-3)	OWCZARSKI, P. C.	PATTERSON, CHRIS W. (T-12)
2-15	28-25	50-107
2-19	OWEN, R. K. (AT-5)	PATTERSON, JAMES H. (CHM-1)
2-23	44-43	40-4
OLIJNYK, H.	OWENS, R. K. (AT-5)	40-8
38-58	44-42	PATTERSON, R. A. (CMB-6)
OLINGER, BARTON W. (M-6)	PACIOTTI, MICHAEL A. (MP-3)	14-23
31-15	49-76	PATTON, ROBERT D. (AT-5)
38-27	PACK, RUSSELL T. (T-12)	44-58
49-66	47-24	PAULTER, NICHOLAS G. (E-11)
OLIPHANT, THOMAS A., JR. (X-2)	47-43	31-16
14-11	PACKARD, N. H.	PAXTON, HUGH C. (Q-14)
14-41	51-45	9-2
14-63	PAFFENROTH, G. GARY (AT-3)	PAXTON, HUGH C. (Q-2)
OLIVER, PETRITA Q. (INC-11)	44-81	50-25
42-43	PAICE, D. AA.	PAYNE, GERALD L.
OLIVER, RONALD D. (ESS-3)	37-10	50-23
31-6	PAKVASA, SANDIP	50-111
OLMER, CATHERINE	51-12	50-132
50-67	PAL, DEVENDRA K.	PAYNE, ROGER A. (E-7)
OLSEN, CLAYTON E. (P-8)	48-8	53-73
31-32	PALAU, G. E.	
47-68	42-24	
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PEARSON, CHRISTOPHER F. (ESS-3)	PETERSON, DALE	PHIPPS, CLAUDE R., JR. (AP-5)
20-2	39-48	47-20
21-4	PETERSON, DEAN E. (CMB-5)	PHIPPS, CLAUDE R., JR. (CHM-5)
21-9	38-7	32-7
21-18	38-13	PIASETZKY, ELI
21-21	38-63	50-70
45-1	PETERSON, DEAN E. (MST-5)	50-100
PEARSON, CHRISTOPHER F. (G-7)	38-8	50-102
21-22	38-14	50-116
PEASLEE, A. T. , JR. (S-4)	PETERSON, DENNIS R. (WX-4)	PICARD, RICHARD (S-1)
11-6	14-24	39-13
30-27	PETERSON, EUGENE J. (CHM-1)	PICARD, RICHARD R. (S-1)
49-40	5-79	53-69
PEERCY, PAUL S.	28-5	PICKLESIMER, A.
26-12	43-1	47-61
PENA, BENNIE (Q-2)	43-12	PIEROTTI, D.
53-17	PETERSON, EUGENE J. (CMB-8)	2-4
PENDERGRASS, JOHN H. (S-4)	43-9	PILKEY, WALTER D.
30-13	43-11	39-33
PENNEMAN, ROBERT A. (CNC-4)	PETERSON, JOHN L. (Q-11)	PILLAY, K. K. S. (Q-4)
42-13	11-4	42-24
42-48	29-10	53-71
PENNEMAN, ROBERT A. (INC-4)	29-18	53-72
5-41	29-24	PIMBLEY, GEORGE H. (T-14)
5-42	PETERSON, JOSEPH R.	3-15
38-51	5-40	3-21
PENNYPACKER, C.	PETROVIC, JOHN J. (CMB-5)	PINE, A. S.
48-64	38-4	50-107
PERATT, ANTHONY L.	38-11	PIRNER, HANS J.
48-95	PETROVIC, JOHN J. (MST-5)	51-4
PERATT, ANTHONY L. (X-8)	37-13	FITCHER, ERIC J.
49-103	38-43	48-115
PEREYRA, RAMIRO A. (CMB-5)	38-45	PITTARD, FREDERICK J.
38-66	PETSCHEK, ALBERT G. (P-DO)	22-5
PERKINS, BETTY A. (LS-6)	48-54	PLACE, W.
42-10	48-103	29-18
42-21	PETTITT, ROLAND A. (ESS-4)	PLASIL, F.
42-26	19-4	50-55
42-38	19-11	50-61
PERKINS, MARTHA C. (S-2)	19-14	PLASSMANN, EUGENE A. (Q-14)
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PERKINS, ROGER B. (DADIF)	21-14	PLATTS, D. A. (CTR-5)
30-33	22-7	17-15
PERRIN, DANIEL R. (H-8)	49-148	17-17
5-15	PETTITT, ROLAND A. (G-2)	17-17
5-55	19-9	18-6
PERROUD, J. P.	19-12	18-23
50-72	22-9	POHL, R. V.
PERRY, FRANK V. (ESS-1)	PETTITT, ROLAND A. (G-4)	37-25
42-3	19-6	POLK, G
PERSON, WILLIS B.	22-12	19-5
32-31	PETTY, W. F.	POLZER, WILFRED L. (LS-6)
47-103	31-21	42-42
PERSON, WILLIS B. (T-12)	PEYRARD, M. (CNLS)	POMRANING, GERALD C.
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PERSONICK, STEWARD	PHILIS, C. A.	PONDER, GLENDA M. (ESS-4)
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PESME, DENIS J. (T-11)	PHILLIPS, DAVID S.	PONGRATZ, MORRIS B. (ESS-8)
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PESNELL, WILLIAM DEAN (T-6)	PHILLIPS, JAMES A. (CTR-DO)	49-69
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48-35	17-27	3-4
48-76	18-21	POTTER, J. M. (AT-1)
PETER, WILLIAM (X-8)	37-12	44-1
39-58	PHILLIPS, JOHN R. (Q-1)	44-14
PETER, WILLIAM K. (X-8)	33-6	44-30
44-12	53-44	44-46
PETERS, RICHARD J. (H-8)	53-48	44-64
5-15	PHILLIPS, MARILYN VIRGINIA (CHM-1)	44-76
16-60	5-23	50-79

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POTTER, ROBERT M. (G-5)	QUINN, WARREN E. (CTR-3)	48-22
21-20	37-16	48-23
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POWERS, R. J.	48-29	48-85
47-69	48-55	REEDY, ROBERT C. (INC-11)
50-103	48-87	48-8
PRAEL, RICHARD E. (X-6)	51-5	48-92
50-33	RACHOCKI, KENNETH D. (MST-6)	48-96
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42-18	49-70	48-108
53-20	RADZIEMSKI, LEON J., JR. (AP-4)	48-109
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40-1	31-24	REGEV, ODED
PRENTICE, DAVID A. (I-S-1)	32-27	48-6
2-8	RAHM, A. M.	REICHERT, G.
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2-27	RAJU, MUDUNDI R. (LS-1)	48-97
2-28	2-4	REID, DONALD W. (AT-5)
2-29	2-5	44-10
2-43	2-14	REINERT, BRUCE D. (H-5)
PRESTON, DEAN L. (T-8)	2-22	28-35
50-3	2-46	REISFELD, S. K. (G-11)
50-114	2-47	29-14
51-44	RAMSAY, JOHN B. (M-3)	29-22
PRESTON, FRED	3-4	REJ, DONALD J. (CTR-3)
39-16	3-6	17-2
39-17	RAMSHAW, JOHN D. (T-3)	17-5
PRIEDHORSKY, WILLIAM C. (ESS-9)	39-99	17-17
31-19	49-107	17-17
48-46	RANKEN, WILLIAM A. (Q-13)	17-26
48-56	14-59	REUTER, WILFRIED (P-3)
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48-143	40-22	47-78
PURSER, FRED O. (AT-2)	RAUPP, F.	REYES, MICHELE (H-14)
44-46	50-29	28-9
PURSON, JOHN D. (G-9)	RAWLINS, W. T.	RIBE, FRED L. (CTR-DO)
42-11	26-18	37-16
PURTYMUN, WILLIAM D. (H-8)	RAY, FRANK A. (LS-4)	37-18
16-60	2-53	RICE, WALTER WOOD (AP-4)
16-76	RAY, JAMES M. (ESS-1)	32-13
16-77	43-7	RICHARDS, PETER M.
PUTNAM, S.	RAY, LANDON (T-5)	38-59
37-17	50-56	47-57
PUTNIS, A.	RAY, M. D. (ESS-1)	47-66
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PYE, D. STEPHEN	RAYBOLD, NANCY A. (INC-7)	49-67
21-7	42-43	50-66
PYLE, DELBERT	RAYBURN, JOHN A. (MST-13)	RICHTER, JOHN L. (NSP-WP)
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QUEST, KEVIN B. (X-1)	RAYMOND, ROBERT, JR. (ESS-2)	RICKARD, W. H.
49-17	16-34	42-4
QUICK, CHARLES ROBERT (CHM-4)	16-42	RIENSTRA, WILLIAM W.
47-13	16-54	49-151
47-18	REA, KENNETH H. (H-12)	RIGROD, W. W.
47-52	20-1	32-7
49-142	REDWINE, ROBERT P. (MP-4)	49-22
QUIGLEY, G. P. (AP-4)	49-61	RILEY, P. J.
28-22	50-79	50-143
32-23	50-117	RINARD, PHILLIP M. (Q-1)
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QUIGLEY, G. P. (CHM-4)		53-65
26-11		RINK, JOHN P. (AP-2)
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RISTINEN, R. A.	ROJAS, VICENTE A. (ENG-4)	RUSSELL, GARY J. (P-9)
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RITCHIE, JOHN M. (CNC-4)	NROKOP, DONALD J. (CNC-7)	50-81
5-48	50-60	50-128
5-59	ROLLETT, HELEN	50-130
RITCHIE, JAMES P. (T-14)	25-3	RUSSO, P. A. (Q-1)
3-19	ROM, WILLIAM N.	53-4
5-11	28-28	53-5
5-77	ROMERO, J. L.	53-29
RIVARD, WILLIAM C. (T-3)	50-33	53-50
33-24	ROMERO, MARVIN K. (MST-12)	RYAN, ROBERT R. (CNC-4)
RIVERA, OLIVER :# (MP-3)	28-3	5-59
49-76	ROMERO, RICHARD (H-8)	5-70
RIVERA, THOMAS (WX-3)	42-23	RYAN, ROBERT R. (INC-4)
3-27	ROOD, PATRICIA L. (S-4)	5-12
ROACH, FRED (S-2)	25-3	5-72
16-1	ROOF, RAYMOND BRADLEY, JR. (CMB-5)	RYLANDER, H. G.
29-8	38-13	37-18
29-18	38-14	SADLER, J. R.
ROACH, JAMES F. (S-2)	ROOF, RAYMOND BRADLEY, JR. (MST-5)	39-138
12-5	38-18	SAHOTA, M. S. (Q-9)
ROBBA, ARNOLD A. (Q-2)	38-53	33-11
53-45	ROSE, HARVEY A. (T-11)	33-12
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31-1	ROSE, PATRICIA A. (MP-1)	SALAZAR, JOHN (H-8)
ROBERTSON, ROBERT G. H. (P-3)	39-43	42-23
48-31	ROSEN, LOUIS (MP-DO)	SALAZAR, KENNETH V. (CNC-4)
50-42	49-33	5-12
50-46	49-63	SALTZMAN, JEFF (X-1)
ROBINSON, C. PAUL (NSP)	ROSENBLUM, STEPHEN S.	39-10
40-23	50-125	SALZMAN, GARY C. (LS-4)
ROBINSON, HAROLD (P-9)	ROSS, G. G.	28-11
50-81	48-27	28-33
50-128	ROTA, GIAN-CARLO	SAMPSON, THOMAS E. (Q-1)
ROCKWOOD, STEPHEN D. (NSP/IF)	25-1	53-27
26-19	ROTTLER, J. STEPHAN	53-28
30-40	50-31	53-55
RODGERS, JOHN C. (LS-6)	ROWLAND, MARY M.	SANDBERG, V. D. (MP-4)
16-71	16-7	44-4
42-22	ROWLEY, JOHN C. (ESS-4)	49-46
42-35	19-8	50-127
RODRIGUEZ, LAVERNE L. (IS-4)	19-10	51-23
26-16	19-14	SANDER, OSCAR R. (MP-9)
ROELOF, E. C.	21-1	44-46
48-121	22-14	SANDER, ROBERT K. (AP-4)
ROFER-DE POORTER, CHERYL K. (ESS-2)	ROWLEY, JOHN C. (G-DOT)	26-11
5-84	19-1	32-31
ROGERS, J. D.	19-3	SANDER, ROBERT K. (CHM-4)
44-47	ROYBAL, PHILLIP L. (AT-1)	5-64
ROGERS, J. WILLIAM, JR. (CMB-8)	44-76	SANDERS, GARY H (MP-13)
5-25	RUHE, THOMAS	44-4
ROGERS, JOHN D., JR. (CTR-9)	39-81	SANDERS, R. C.
10-2	RUMINER, KIT (MP-DO)	18-20
13-3	49-99	53-28
37-18	49-100	SANDFORD, ELSIE L.
37-21	RUNDBERG, ROBERT S. (INC-11)	53-50
37-22	42-33	SANDFORD, MAXWELL T. (ESS-5)
37-23	42-39	48-50
ROGERS, PAMELA S. Z. (CMB-8)	42-43	48-51
14-7	RUNDBERG, VIRGINIA L. (INC-11)	SANDFORD, MAXWELL T. (G-6)
ROGERS, RAYMOND N. (WX-2)	42-43	48-60
3-28	RUNYAN, JAMES E. (Q-13)	SANDOVAL, JOHN P. (MP-4)
3-29	14-5	44-4
ROHR, DANA L. (CMB-5)	14-14	SANYAL, S. K.
38-13	40-7	48-15
38-14	RUSSELL, C. T.	SARRACINO, JOHN S. (X-7)
ROHR, DANA L. (MST-5)	48-70	50-77
38-53	48-81	51-24
	48-88	

SASAKI, SUNJI	SCHNEIDER, BARRY I. (T-12)	SEDACEK, WILLIAM A. (CNC-7)
20-2	47-1	16-13
SATIJA, INDUBALA (CNLS)	47-38	16-58
49-125	47-55	SEDLACEK, WILLIAM A. (INC-7)
SATTIZAHN, JAMES E. (CNC-11)	47-56	16-70
5-81	47-65	SEEGER, PHILIP A. (P-8)
SAUNDERS, GEORGE C. (LS-4)	SCHNEIDER, J. DAVID (AT-4)	31-35
2-53	44-19	SEESTROM-MORRIS, SUSAN J.
SAVIN, WILLIAM	44-23	50-5
48-8	SCHNEIDER, W. (CTR-6)	50-73
SAXMAN, A. C. (P-5)	37-1	SEGEL, R. E.
30-4	SCHNEUWLY, HUBERT	49-61
SCHALLER, STUART C. (MP-1)	47-90	50-67
39-43	SCHOENBERG, KURT F. (CTR-4)	SEIDL, PETER A.
SCHARDT, M. A.	17-1	50-92
50-77	17-9	50-131
51-24	17-13	SEITZ, WENDELL LEE (M-1)
SCHEIDKER, ERIC J.	SCHOFIELD, ALDRED E. (CTR-2)	31-10
50-108	17-9	SEITZ, WENDELL LEE (WX-7)
SCHENTER, R. E.	37-4	3-25
50-4	SCHOFIELD, T. G. (LS-6)	SELF, S.
SCHERMER, ROBERT I. (CTR-9)	16-26	42-3
10-2	SCHONFELD, JONATHAN F.	SELVADURAY, G.
13-3	49-110	24-5
37-21	SCHRANDT, ROBERT G. (X-6)	SENNHAUSER, URS (MP-4)
SCHEURER, BRUNO (CNLS)	39-78	50-70
39-149	SCHUBERT, CARL E.	50-102
SCHIFERL, DAVID (M-6)	22-1	50-127
5-8	SCHUH, ANDREAS	SENO, R. D.
5-10	50-26	31-12
5-66	50-64	SENTMAN, D. D.
5-71	SCHULTZ, LUDOLF	48-93
5-72	48-108	SETHIAN, J.
5-87	SCHULZ, WALLACE W.	37-17
31-15	38-41	SEURER, FRANKLIN H. (INC-3)
47-87	SCHULZE, WILLIAM D.	5-53
49-8	16-6	SEYLER, CHARLES
49-37	SCHWALBE, LARRY A. (WX-3)	56-5
SCHIFERL, SHEILA K. (X-4)	5-71	SEYLER, CHARLES E., JR. (CTR-6)
48-134	SCHWARTZ, STEVEN J.	17-17
SCHILLACI, MARIO E. (MP-3)	48-69	17-17
38-28	48-94	17-25
47-57	SCHWARZMEIER, JAMES L. (CTR-6)	56-3
47-66	17-17	56-6
47-67	17-17	56-9
47-68	17-25	56-15
47-90	56-3	SGRO, ANTHONY G. (CTR-6)
49-32	56-5	17-17
50-82	56-9	17-17
SCHILLING, JAMES S.	56-15	37-11
38-58	SCKOPKE, N.	56-5
SCHINDLER, JOHN	48-49	SHAFFER, DAVID S. (CMB-14)
5-7	SCOLMAN, TOM	31-21
SCHMIDT, ECKART W.	50-51	SHANER, J. W. (M-6)
21-7	SCOTT, A.	5-10
SCHMIDT, KEVIN E. (T-5)	49-77	49-8
39-159	SCUDDER, DAVID W. (CTR-DOT)	49-37
SCHMIDT, STEPHEN C. (M-6)	17-18	49-66
5-10	17-24	49-104
49-8	SEABORG, GLENN T.	49-121
49-37	50-44	SHANKLAND, THOMAS J. (ESS-3)
49-104	SEAGRAVE, JEANCLARE (LS-3)	16-22
49-121	2-55	21-25
SCHNACK, DALTON D. (CTR-6)	SEAGRAVE, JOHN D. (P-DOR)	SHANKLAND, THOMAS J. (G-7)
56-5	31-11	16-21
56-6	SEAMON, ROBERT E. (X-6)	SHANNON, SPENCER S., JR. (ESS-1)
56-11	50-87	21-1
	SEAWRIGHT, GARY L. (LS-2)	41-3
	2-20	SHANNON, SPENCER S., JR. (G-9)
		16-61
		22-9

SHAPIRO, STANLEY L. (AP-4)	SHIPLEY, JAMES P., JR. (Q-4)	SINHA, DIPEN N. (P-10)
30-44	53-67	49-141
SHARP, DAVID H. (T-8)	SHISSLER, D.	SKAGGS, SAMUEL R. (CMB-3)
25-1	53-39	5-44
51-13	SHLACHTER, JACK S. (CTR-DOT)	SKOPIK, DANIEL
51-17	17-18	50-39
51-30	SHOEMAKER, HAROLD D.	SLANSKY, RICHARD C. (T-8)
51-41	14-16	51-19
SHARP, ROBERT R., JR. (ITO)	SHOHET, JUDA LEON	SLATKINE, MICHAEL (AP-5)
16-68	18-20	49-58
SHAW, MILTON S. (T-14)	SHOJI, K.	SLAUS, IVO
47-31	53-29	50-124
SHEFFIELD, RICHARD L. (AT-7)	SHUMAKER, DANA E.	SLOCOMB, CHARLES A. (C-8)
49-68	56-5	39-57
SHEEHEEN, N. N. (Q-7)	SHUNK, EDWARD R. (Q-2)	SMALL, DONALD W.
24-13	42-18	30-29
24-15	53-38	SMITH, ALFRED R.
SHEINBERG, HASKELL (CMB-6)	53-68	2-4
38-30	53-73	SMITH, B. A.
38-31	SICILIANO, EDWARD R.	31-9
38-32	50-71	SMITH, BARHAM W. (ESS-5)
SHEINBERG, HASKELL (MST-6)	50-93	16-47
31-23	50-101	48-139
SHEPPARD, MAURICE G. (T-12)	50-102	SMITH, CHARLES M.
47-65	50-129	48-8
47-104	SIEGEL, HAL N.	SMITH, D. F.
SHERA, E. BROOKS (P-3)	2-41	32-31
47-21	SIEMON, RICHARD E. (CTR-3)	SMITH, DARRYL B. (Q-DO/SG)
47-33	17-2	53-49
47-69	17-17	53-62
47-78	17-17	SMITH, DARRYL B. (Q-4)
50-83	17-19	53-63
50-103	SIEMON, RICHARD E. (CTR-8)	SMITH, DAVID M. (LS-1)
SHERIDAN, CONNIE J. (IS-4)	37-16	2-44
26-16	SIERK, ARNOLD J. (T-9)	2-51
SHERIDAN, MICHAEL F.	50-34	2-52
16-33	50-35	SMITH, E. J.
16-57	50-36	48-44
SHERMAN, JOSEPH D. (AT-2)	50-37	48-71
44-20	SIGLER, FLOYD E. (MEC-2)	48-81
SHERWOOD, ARTHUR R. (CTR-5)	44-38	48-101
17-15	SILBAR, RICHARD R. (T-5)	SMITH, HARRY L.
17-17	50-8	49-16
17-17	50-116	SMITH, HASTINGS A., JR. (Q-1)
18-6	SILVER, RICHARD N. (P-8)	53-60
18-22	49-120	53-61
18-23	50-98	SMITH, JAMES L. (CMB-5)
37-16	50-126	38-25
SHERWOOD, BOYD A. (AT-4)	SIMMONS, D. F.	SMITH, JAMES L. (MST-5)
44-86	31-9	38-29
SHERWOOD, EUGENE G. (CTR-11)	SIMMONS, JAMES E. (P-7)	38-48
17-2	50-8	38-55
17-5	50-109	38-58
17-17	SIMMONS, LEONARD M., JR.	38-64
17-17	51-22	SMITH, L.
SHESTAKOV, A. I.	SIMON, D. B.	44-70
17-17	48-59	SMITH, LARON L. (Q-7)
17-17	SIMPSON, G.	36-7
17-25	19-5	39-134
56-5	SIMS, JAMES R. (MP-8)	SMITH, MORTON C. (ESS-DOT)
56-9	19-4	21-10
SHIH, CHIA CHANG	19-11	34-2
50-40	SINCLAIR, A. RICHARD	49-148
51-11	22-5	SMITH, PAUL D. (WX-11)
SHIH, MEI-LI	SINCLAIR, DOUGLAS C.	39-33
47-41	2-9	SMITH, PHILLIP R.
SHIPLEY, JAMES P., JR. (Q-DO/SG)	SINGER, SIDNEY (P-DO)	24-9
53-30	30-4	28-36
53-32	SINGER, SIDNEY (P-1)	SMITH, RUSS C. (Q-7)
53-33	30-17	33-51
53-63		36-3

SMITH, SUZANNE T. (Q-8)	SPRINGER, THOMAS E. (E-11)	STEINHARDT, PAUL J.
33-47	31-16	48-29
33-48	SPRINKLE, JAMES K. (Q-1)	48-87
SMITH, TEMPLE F.	53-29	STEINKAMP, JOHN A. (LS-4)
39-138	SPRINKLE, JAMES K., JR. (Q-1)	2-16
SMYTH, JOSEPH R. (ESS-1)	53-12	STEINKRUGER, FREDERICK J. (INC-3)
16-56	53-14	5-53
SNEAD, C. L., JR.	53-15	40-4
52-1	53-60	40-8
SNELL, CHARLES M. (X-3)	53-61	STELTS, MARION L. (P-15)
49-26	SRINIVASAN, S. (E-11)	50-46
SNELL, CHARLES M. (X-8)	11-3	STEPANEK, J.
39-2	13-1	39-87
39-58	13-2	STEPHENS, MELVIN M. (Q-1)
39-155	14-7	53-5
SNYDER, CONNIE (IS-1)	14-60	53-14
25-6	SRIVASTAVA, S. (E-11)	STEPHENSON, GERARD J., JR. (P-DO)
25-7	47-25	50-21
SODERHOLM, SIDNEY C. (H-5)	STACY, HOWARD L. (M-1)	50-62
28-4	31-10	50-94
SOLAR ENERGY GROUP (Q-11)	STAFFORD, CAROLYN G. (LS-1)	50-96
29-17	2-37	STEPHENSON, K. E.
SOLEM, JOHNDALE C. (T-DO)	28-24	49-61
47-45	STAFFORD, RONALD G. (H-1)	STEUERWALT, MICHAEL (X-7)
SOLLID, JON E. (P-5)	28-6	49-9
31-5	STAHL, DAVID B. (P-2)	STEVENS, RALPH R., JR. (MP-DO)
49-68	30-42	44-13
SOMMER, WALTER F., JR. (CMB-8)	STALLINGS, R. L.	STEVENSON, ANITA P. (LS-2)
38-44	2-13	2-32
SOPER, ALAN K. (P-8)	STARKE, THOMAS P. (M-4)	STEVENSON, ANITA P. (LS-4)
31-32	44-48	2-53
SPALL, W. DALE (LS-1)	44-49	STEVENSON, MICHAEL G. (Q-DO)
2-27	44-50	24-12
2-29	49-151	24-13
28-5	STARNER, JOHN W. (INC-5)	24-15
43-9	42-30	STEWART, C. C. (LS-3)
SPALL, W. DALE (LS-5)	48-61	2-36
2-23	STARRFIELD, SUMNER G. (T-DO)	STEWART, C. C. (LS-4)
2-28	48-35	2-6
SPARKS, WARREN M.	48-76	2-26
48-4	48-133	STEWART, GREGORY R. (CMB-3)
SPARKS, WARREN M. (X-5)	STAUDHAMMER, KARL P. (CMB-5)	38-47
16-12	38-15	38-49
48-61	38-33	38-56
SPAULDING, ROBERT L. (WX-7)	STAUDHAMMER, KARL P. (MST-5)	52-1
3-24	5-1	STEWART, GREGORY R. (MST-3)
SPECHT, J. R.	38-27	38-3
49-61	STEEN, CHARLIE R. (H-12)	38-23
SPENCER, ROSS L. (CTR-6)	26-3	38-48
17-17	STEFFEN, ROLF MARCEL	38-50
17-17	47-78	STEWART, JAMES E. (Q-1)
17-21	50-83	53-13
56-1	STEGER, JAMES G (LS-6)	53-47
56-2	42-40	STEWART, JOHN N., JR. (ESS-3)
56-5	STEIN, MYRON L. (S-2)	16-17
56-9	12-2	16-18
56-20	STEIN, PAUL R. (T-7)	16-19
SPENDEL, T.	39-21	16-20
14-47	STEIN, PETER J.	16-39
SPERGEL, MARTIN S.	2-1	STEWART, JOHN N., JR. (G-7)
48-21	STEIN, WILLIAM E	16-43
48-25	49-47	STEWART, WALTER F. (P-10)
48-85	STEIN, WILLIAM E. (AT-1)	11-7
48-109	49-111	14-18
SPINKA, H.	STEIN, WILLIAM E. (AT-4)	STILLWAGON, R. E.
50-57	49-48	37-18
SPRIGGS, GREGORY D. (Q-7)	STEIN, WILLIAM E. (AT-7)	STINE, JAMES R. (M-1)
33-51	49-50	39-100
SPRINGER, ROBERT W. (MST-6)	49-68	47-71
38-2		47-82
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STINE, JAMES R. (WX-2)		STRNISTE, GARY F. (LS-3)		SWANSON, BASIL I. (INC-4)
47-83		2-15		5-8
STINE, ROBERT D., JR. (P-7)	30-8	2-19		5-21
STINECIPHER, MARY M. (WX-2)	3-10	2-23		47-76
STINGL, M.	50-119	2-35		47-87
STIRPE, DANTE (Q-4)	53-36	2-54		SWANSON, HOWARD E.
STIX, JOHN (ESS-2)	16-31	28-5		50-13
	21-9	28-24		SWANSON, R. E.
STODDARD, MARY L. (C-10)	39-102	STROH, KENNETH R. (Q-9)		47-58
STOKES, RICHARD H. (AT-1)	44-76	23-1		SWANSON, R. E. (T-14)
STONE, GREGORY L. (ESS-7)	16-25	39-23		49-134
	48-138	STROTTMAN, DANIEL D. (T-9)		SWEEDLER, A. R.
STONE, SIDNEY N. (SSO)	48-67	50-122		52-1
STONE, WENDY E. (CNC-3)	5-63	STUMP, CHARLES J., JR.		SWENSON, DONALD A. (AT-1)
STORM, M.	5-37	44-33		44-83
STORMS, EDMUND K. (CMB-3)	38-1	SUBRAMANIAN, T. S.		SWENSON, L. W.
	38-62	50-33		50-67
STOTLAR, SUZANNE C. (MST-6)	31-3	SUDARSHAN, E. C.		SWENSON, O. F.
STOUT, MICHAEL G. (CMB-5)	38-17	48-18		30-15
STOUT, MICHAEL G. (MST-5)	26-7	SUDARSHAN, E. C. G.		SWIFT, GREG W. (P-10)
	38-21	48-105		14-1
	38-26	SUGARBAKER, E.		49-36
	38-46	50-138		49-60
	38-52	SUGAWARA, K.		49-72
STOVALL, LEONARD A.	53-12	38-36		SWISHER, STEVE L. (CHM-5)
STOVER, ELMER K. (X-1)	30-41	SUGIMOTO, D.		32-10
STRADLING, GARY L. (P-14)	31-7	16-12		SYKES, M. L. (G-6)
	31-30	SULLIVAN, J. A. (DAD/NP)		42-43
	31-31	32-30		SYMON, KEITH R. (CTR-6)
STRANGWAY, DAVID	22-13	SULLIVAN, J. AL (AP-DO)		56-15
STRASSNER, G.	50-125	40-1		SZE, D. K.
STRATTON, WILLIAM R. (ITO)	42-20	SUNIER, JULES W. (P-3)		18-20
STRAUB, GALEN K. (T-14)	49-134	50-123		SZE, ROBERT C. (AP-2)
STRAUB, GALEN K. (T-4)	47-37	50-144		32-4
	47-58	SURLES, JEFFREY		32-5
	48-134	38-35		32-12
STRAUMANN, U	50-72	SUTHERLAND, C. DEXTER (ESS-7)		SZE, ROBERT C. (CHM-5)
STRAW, JOHN B. (WX-5)	38-10	39-115		32-11
STRITTMATTER, RICHARD B. (Q-1)	53-12	48-16		49-54
	53-50	SUTHERLAND, C. DEXTER (OSS)		SZKLARZ, EUGENE G. (CMB-3)
	53-56	48-67		38-56
		SUTHERLAND, RONALD J. (S-2)		TABOR, JAMES E. (X-5)
		16-63		39-182
		SUTTER, S. L.		TAFOYA, JOSE I. (Q-11)
		28-25		29-4
		SUTTON, JOHN G. (L-1)		29-5
		30-28		TAGGART, KEITH A. (X-7)
		SUYDAM, BERGEN R. (T-7)		39-85
		26-22		TAKAGI, SHIGERU
		39-6		38-29
		39-25		TAKIGUCHI, YOSHIHIRO
		39-133		31-7
		49-88		TALAGA, R. L.
		49-114		50-74
		49-137		50-95
		SUZUKI, KENJI		TALLERICO, PAUL J. (AT-5)
		31-7		44-11
		SVIATOSLAVSKY, I. N.		44-56
		18-20		44-68
		SWANBERG, C. A.		44-74
		48-20		44-87
		SWANN, THOMAS A. (P-5)		TALLEY, BEVERLY H. (MP-DO)
		30-2		49-99
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		SWANNACK, CLARKE E. (CTR-5)		16-4
		37-18		16-40
		SWANSEN, JAMES E. (Q-1)		TALLMAN, CHARLES R. (AP-1)
		53-23		30-11

TAN, TAI HO (L-4)	TERRELL, NELSON JAMES (ESS-9)	THOMPSON, DONALD L. (CHM-2)
30-10	48-46	5-67
30-16	48-56	47-28
TAN, TAI HO (P-4)	48-141	47-30
49-69	48-143	THOMPSON, DONALD L. (CNC-2)
TANAKA, YASUTOSHI (P-7)	TERRY, R. A.	47-102
47-21	18-16	THOMPSON, G. M.
47-69	18-17	42-43
47-78	TESMER, JOSEPH R. (P-9)	THOMPSON, JOE D. (P-10)
50-83	14-7	38-16
TANDY, P. C.	48-2	38-64
47-61	TESMER, JUDITH G. (LS-3)	THOMPSON, JOE D. (WX-10)
TANG, P. K. (Q-6)	2-13	38-12
14-2	TESTER, JEFFERSON W. (G-3)	THOMPSON, JOE L. (CNC-11)
14-37	21-12	42-33
28-25	TESTERMAN, LARRY	THOMPSON, JOSEPH L.
39-70	31-8	42-43
39-73	TEW, W.	THOMPSON, JOSEPH L. (C-5)
39-151	50-102	39-22
TANG, WILLIAM M.	THALER, R. M.	THOMPSON, KENNETH A. (CHM-2)
56-5	47-61	5-75
TANNOR, DAVID	THAYER, GARY R. (S-4)	38-34
5-7	11-2	THOMPSON, LARRY H.
TAPE, JAMES W. (Q-1)	12-4	2-54
53-56	25-3	THOMPSON, M. O.
TASCHEK, RICHARD F. (DIR-O)	30-13	26-12
34-4	52-3	THOMPSON, PATRICK A. (MP-13)
ATARONIS, J.	30-13	50-77
17-22	THAYER, NINA N.	51-24
56-5	31-14	THOMPSON, WILLIAM L. (X-6)
TATARONIS, J. A.	THEIS, S.	39-98
17-21	48-96	THOMSEN, MICHELLE F. (ESS-8)
18-20	48-107	48-43
TATE, EMILY H. (LS-4)	THIESSEN, HENRY A. (MP-DO)	48-49
2-40	44-1	48-69
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53-39	44-65	48-93
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47-47	THIESSEN, HENRY A. (MP-10)	48-125
TAYLOR, ANDREW D. (P-8)	50-67	THOMSON, DAVID B. (P-1)
31-32	50-104	14-28
50-12	50-108	THORN, ROBERT N. (DIR-O)
50-81	THIESSEN, HENRY A. (MP-14)	25-10
50-128	44-52	THUOT, MICHAEL E. (P-11)
TAYLOR, DAVID J. (AP-4)	THODE, EDWARD F.	30-4
49-89	42-2	TIEE, JOE J. (AP-4)
TAYLOR, GENE W. (M-1)	42-30	32-17
5-18	42-31	TIEE, JOE J. (CHM-4)
TAYLOR, JOYCE	42-32	32-3
39-52	42-47	32-13
TAYLOR, R. DEAN (P-10)	THODE, LESTER E. (X-8)	32-15
38-24	37-17	32-16
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