APPENDIX A

HANAWALT INDEX FOR POWDER DIFFRACTION DATA

2.64-2.60									
2.64x 2.63x 0 2.61x 2.62x 2.60x 2.62x 2.63x 2.63x 2.600 2.61x	1.51; 3. 1.51x 10. 1.61; 2. 1.51; 1. 1.51x 0. 1.51; 2. 1.51; 2.	70, 1.85, 00, 5.01	0.99; 1 4.62; 3 5.01; 3 3.71; 0.99; 0 1.30; 0	2.13 1.17, 3.61 3.03, 1.80, 0.83 0.96	1.85 ₆ 0.87 ₁ 3.11 ₆ 2.17 ₂ 1.17 ₃ 1.85 ₇ 1.17 ₇ 0.94 ₁ 1.30 ₂	1.31 ₀ 1.31 ₀ 2.40 ₀ 1.76 ₁ 1.03 ₂ 1.31 ₇ 0.99 ₇ 1.38 ₀ 1.64 ₁	(CdY)2C (MdAp)2C SAN103 (Ce2n)2C KLiMg_Si 401,0Fz Zn_SNO4 DyAllo3 CHCY,)24F (AlB_)3H (MgY)2C	18- 270 18- 861 17- 492 18- 324 12- 236 14- 381 13- 255 2- 974 15- 190 9- 154 18- 833	
2.60x 2.60x 2.61x 2.51e 2.59x 2.59x 2.59x 2.59x 2.59s 0.260x	1.50 1. 1.50 4. 1.50 4. 1.50 4. 1.49 0. 1.46 0. 1.48 1. 1.44 2. 1.44 2.	68; 1.84; 84; 0.98; 300; 1.160; 29x 1.69; 23x 2.11; 98; 4.22; 97; 3.665; 43; 2.17; 32x 1.30; 28; 1.38; 23x 1.31;	1.16; 1.847 2.13; 1.68; 2.207 1.637 3.10e 1.835 2.457	0.87; 1.06; 1.30; 1.83; 1.16; 1.15; 2.86; 0.96;	1.30 ₀ 0.92 ₀ 1.42 ₂ 1.41 ₀ 1.83 ₀ 0.88 ₇ 1.68 ₀ 0.92 ₀	1.30 ₀ 0.82 ₀ 0.89 ₀ 1.24 ₂ 2.21 ₀ 1.68 ₅ 0.86 ₇ 2.48 ₄ 0.85 ₀ 1.49 ₀ 4.25 ₁	(PrZn)2C (SaAg)2C PrZn NaAlSiO, (at 750 deg C) NaAlSiOa InMa MgTI (YAu_)6U (YAu_)6U (ZTo-srSno-zesFeo-oa) (ddFe_)24F	18-1081 18-1152 2- 994 2- 259 11- 221 4- 741 3- 846 11- 562 18- 578 17- 905 15- 424	
2.62x 2.62, 2.61x 2.62; 2.62x 2.65x 2.62x 2.63x 2.64x 2.64x 2.60,	1.41 2. 1.40 7 1. 1.40 × 2. 1.39 × 3. 1.38 g 1. 1.32 × 1. 1.32 s 1. 1.32 g 1.	.73x 1.30e .37x 1.76e .63s 1.65s .13s 1.127 .21e 2.16e .63g 2.46e .21x 1.08x .18x 1.87s .19a 3.44s .07x 1.68s	1.07 ₃ 2.73 ₅ 1.03 ₇ 2.13 ₆ 2.10x 2.11 ₆ 1.31 ₆ 1.64 ₆ 2.06 ₆	1.083 2.533 1.656 1.646 2.006 1.638 1.166 2.054	1.907 1.952 1.962 1.234 1.024 1.574 1.564 3.757 1.624 1.634	3.01; 1.19; 2.86; 1.17; 0.87; 1.30; 1.24; 1.40; 1.38; 1.91; 1.47;	(Cacual,)100 (Au,Th)310 (Au,Th)31 (Au,Th)31 (Au,Th)31 (Au,Th)32 (A	18~ 9 13~ 517 18~1374 2~1423 5~ 744 6~ 717 8~ 433 16~ 186 17~ 553 17~ 311 18~ 398	
2.59x 2.59x 2.59x 2.63x 2.64x 2.60x 2.59x 2.65x 2.59x 2.63x	1.29, 1. 1.29, 1. 1.23, 1. 1.23x 1. 1.21x 1. 1.21x 1. 1.21x 3. 1.18, 1.	19, 1.49, 122, 3.64, 16, 1.17, 197, 1.28, 137, 1.54, 194, 1.41, 124, 1.38, 19, 1.18, 88, 1.65, 152, 1.32, 19, 1.16,	1.84; 1.21; 1.58; 1.21; 3.37; 1.22; 1.17; 1.40; 3.71;	1.18 ₃ 3.64 ₃ 1.32 ₅ 1.43 ₆ 1.56 ₃ 1.56 ₆ 2.56 ₄ 1.16 ₆ 1.86 ₇	3.00; 1.82; 2.07, 1.34; 1.26; 1.47; 1.39; 2.70; 1.67;	2.99 ₂ 1.63 ₂ 1.18 ₃ 3.40 ₂ 2.14 ₄ 2.04 ₂ 2.55 ₈ 3.02 ₃ 2.09 ₄ 2.16 ₆ 1.50 ₃	(Mg,2Pr)25U (Mg,1Ce,138H (Mg,1Le,138H (Y,3Ge,)H (A)Hf ₂)12U (Er ₂ Ge,)5H (Cr(3n ₀ ,2Sb ₀ -r ₀) ₂)9H (Ce ₃ Ge,16H (Ceb ₁ ,2AH) ₂)10U GAR10 ₂ (Gr ₂ Mg,1738H	17~ 398 17~ 400 17~ 399 18~1470 14~ 289 18~ 484 18~ 139 15~ 208 18~ 2 9~ 85 18~1275	
2.64x 2.63x 2.61s 2.63s 2.59s 2.63x 2.61x	1.15x 2. 1.07, 1. 1.03, 1. 0.96, 1. 0.88x 2.	.14g 1.79x .94g 2.89g .85x 0.83g .41x 2.34y .97x 2.55g .15g 1.86g .55g 1.02g	2.87; 1.17; 2.14; 1.05; 1.67;	1.75 ₈ 0.87, 1.12, 1.00	1.73 1.51 1.85 0.93 3.72 0.82	2.89 ₇ 1.21 ₆ 1.30 ₄ 1.66 ₄ 2.06 ₅ 1.18 ₅ 2.11 ₈	CoSb ₂ PdS BeNi (14.5 wt. pc Be) (MN ₄) ₂ BaFe(MO ₂) ₄ (CoAs) ₈ (SmA1) ₂ C MnSn ₂	4~ 890 10~ 429 3~1098 2~1419 9~ 94 17~ 712 4~ 738	
2.54x * 2.55x 2.56s 2.60z 2.59s * 2.56s 2.58y	14.00 7. 12.30 x 4. 11.90 x 4. 10.50 x 3. 10.40 x 3. 10.00 x 3. 10.00 x 3. 9.98 y 4.	.58x 1.53x .08a 3.55a .16x 2.69y .45a 1.49a .323 3.47z .31a 5.64z .35x 2.01y .32x 4.98s .48a 3.31a .307 3.62z .56z 3.851	1.54 3.12 2.97 2.87; 3.46; 4.46 4.47; 1.50; 3.09;	2.44s 1.576 1.69e 5.640 3.38; 5.02s 3.85s 3.62e 2.402	2.40 4.73 6.26 1.29 5.12 2.85 4.48 3.07 1.98 2.88	1.734 4.596 2.35s 1.244 2.400 5.101 2.59s 3.10s 2.14s 4.511 2.741	6MgD.2/3Al ₂ D ₂ .7SlD ₃ .2H ₂ D Mg=Fe-Al-Si-Al-O-OH (FeHg) [FeAl) (SiAl) O(OH) AlSi ₂ O ₄ (OH) ₂ SPB ₄ D ₁₀ .2H ₂ O SPB ₄ D ₁₀ .2H ₂ O K(Li ₄ Al) ₂ (Al ₁ Sl) ₂ O(H) ₂ K(Li ₄ Al) ₂ (Al ₁ Sl) ₂ O(OH) ₂ (Ba ₄ K) _{Al2} (Si ₃ AlO ₁₀)(OH) ₂ K-Al-Fe-Li-Si-Al-O-F-OH Calcium Siliconluminate	10- 426 7- 165 18- 634 2- 37 12- 712 13- 154 7- 32 10- 484 10- 490 14- 565 14- 81	
2.54x * 2.60x 2.60, * 2.56s 2.58z 2.55x 2.55x 2.55x 2.60s 2.57x	7.92x 3.7.80x 3.7.70x 3.7.69x 3.7.67x 1.7.62x 3.7.57x 3.7.55x 2.7.50x 2.		3.77 1.97 2.03 1.96 2.17 2.37 2.26 2.30x 5.30 1.58	3.22 ₈ 1.54 ₂ 1.53 ₈ 1.53 ₂ 2.00 ₄ 2.86 ₃ 1.51 ₆ 2.24 _X 5.00 ₃ 4.19 ₂	2.06 ₀ 2.89 ₈ 1.51 ₂ 1.50 ₈ 1.50 ₂ 2.49 ₃ 3.36 ₂ 1.48 ₈ 1.84 ₇ 3.47 ₃ 3.30 ₁		VOCI Ta, 1, - Ng, Cr, 20, (OH), a, -4H2 O 4N1 (OH), -N1 (OH) Mg, A1 = CO, (OH), a, -4H2 O Mg, A1 = CO, (OH), a, -4H2 O Ca, Pb(ZnS 10,)a Ni, A1, O, (OH), a, -6H2 O TaBrz, 2 Zn(H, Pb, 2), -, H, D 5ZnO, CrO, -4H2 O 5ZnO, CrO, -4H2 O	17- 110 18-1299 14- 330 6- 44 14- 191 14- 525 16- 373 15- 87 18-1291 1- 93	
2.54x * 2.60g 2.56s 2.56x 2.55x 2.57x 2.54x 2.54y 2.54y 2.54y 2.50x	7.28x 2 7.26x 2 7.17 ₆ 3 7.15 ₈ 1 7.12 ₈ 3 7.11 ₇ 14 7.10x 3 7.10x 3 7.10x 3	.12, 4.06, .87, 2.38, .60, 2.88, .54, 14.10,	4.89 1.50 1.68 2.45 2.18 4.75 1.98 2.69 2.16	3.56 ₅ 2.36 ₅ 2.62 ₂ 4.06 ₅	0.00 ₀ 2.44 ₅ 3.08 ₃ 2.41 ₃ 4.77 ₅ 2.85 ₂ 2.44 ₅ 2.66 ₄ 2.30 ₂ 6.16 ₆ 1.59 ₁	0.00 ₀ 1.70 ₀ 2.21 ₃ 1.73 ₃ 4.59 ₄ 2.74 ₂ 4.58 ₄ 2.17 ₄ 2.95 ₁ 4.83 ₄ 1.49 ₁	Ni_Ge_O_1(OH) CUS[U_2, U_3] CU_3(U_3, U_3) CU_3(U_3, U_3) (M,Fe_A)_(S_1, U_3) (MGFeAI)(S_1, U_1) Fe_SI_0_1(OH)_q Mg_Fe_AI_SI_AIO-OH CU_AI_CI_SO-OH+H_Q NH_CUCFO_4(OH) KICI_1H_Q y=ScOOH	11- 97 7- 172 12- 523 12- 250 7- 160 2-1012 7- 77 5- 142 5- 151 13- 559 17- 941	

APPENDIX B

INDEX TO PUBLISHED INFRARED SPECTRAL DATA

Ç	н	BR	CL	F I	N	O	s sı	COMPOUND NAME	NUMBER
7	I 1		I			3		ACRYLIC ACID, 2-/2-CHLOROETHDXY/- ETHYL ESTER	14042CA
à	7				1	3		ACRYLIC ACID. 2-ACETAMIDO-	19465CA
12	12				_	3		ACRYLIC ACID. 2-BENZOYL-, ETHYL EST	15282CA
5	7	1				2		ACRYLIC ACID, 2-BROMD-, ETHYL ESTER	14572CA
•	5	I				2		ACRYLIC ACID, 2-BROMD-, METHYL ESTER	14573CA
3	2	1	1			2		ACRYLIC ACID. 2-BROMD-3-CHLDRD-	26554CA
5	7	1				2		ACRYLIC ACID. 2-BROMDETHYL ESTER	14037CA
9	16					3		ACRYLIC ACID. 2-BUTDXYETHYL ESTER	14039CA
5	7		1			2		ACRYLIC ACID. 2-CHLORD+, ETHYL	14574CA
								ESTER	
6	ç		1			2		ACRYLIC ACID. 2-CHLORD. ISOPROPYL ESTER	15365CA
5	7		1			2		ACRYLIC ACID. 2-CHLDRDETHYL ESTER	14043CA
5	5				I	2		ACRYLIC ACID. 2-CYAND METHYL	1520GA
								ESTER	
12	13				3	2		ACRYLIC ACID. 2-CYAND-3-//3-METHYL-	14248CA
								2-PYRIDYL/AMIND/ ETHYL ESTER	
8	11				1	3		ACRYLIC ACID, 2-CYAND-3-ETHDXY-,	6266CA
								ETHYL ESTER	
18	15				1	2		ACRYLIC ACID, 2-CYAND-3,3-DIPHENYL-	1517GA
								ETHYL ESTER	
6	7				I	2		ACRYLIC ACID, 2-CYANDETHYL ESTER	14521CA
7	13				1	2		ACRYLIC ACID. 2-DIMETHYL AMIND-	1846GA
_								ETHYL ESTER	
7	13				1	2		ACRYLIC ACID. 2-DIMETHYLAMIND-	14565CA
_								ETHYL ESTER	
	12					3		ACRYLIC ACID. 2-ETHDXY-, ETHYL ESTER	26736CA
7	12					3		ACRYLIC ACID, 2-ETHDXYETHYL ESTER	14567CA
-	Ιo					2		ACRYLIC ACID. 2-ETHYLBUTYL ESTER	11014CA
11						2		ACRYLIC ACID. 2-ETHYLHEXYL ESTER	2248GA
11						2		ACRYLIC ACID. 2-ETHYLHEXYL ESTER	4695CA
7	15					2		ACRYLIC ACID, 2-ISDPRDPYL-, METHYL TER	3160JA
Ď	10					٤		ACRYLIC ACID. 2-METHDXY ETHYL ESTER	D 1702CA
	10					3		ACRYLIC ACID, 2-METHDXYETHYL ESTER	14571CA
	10					2		ACRYLIC ACID, 2-METHYL- ALLYL ESTER	11403CA
11	12					2		ACRYLIC ACID. 2-METHYL-, BENZYL	4353JA
								ESTER	
8	8						I	ACRYLIC ACID, 2-METHYL-3-/2-THIEN- YL/-	3468JA
11						3		ACRYLIC ACID. 2-PHENDXYETHYL ESTER	15097CA
	12			_		3		ACRYLIC ACID. 2-PHENDXYETHYL ESTER	15097CG
5	5			3		2		ACRYLIC ACID, 2.2.2-TRIFLUCRDETHYL	15100CA
9	16					2	2	ESTER ACRYLIC ACID. 2.3-BIS/ETHYPTHID/-	28640CA
3	2	2				2		ETHYL ESTER ACRYLIC ACID. 2.3-DIBROMO-	26556CA
4	4	2				2		ACRYLIC ACID, 2,3-DIBROMD-, METHYL ESTER	28756CA
3	2		2			2		ACRYLIC ACID, 2,3-DICHLORD-	26553CA
	lo		-			4		ACRYLIC ACID, 2.3-DIETHDXY-, ETHYL	28637CA
-						•		ESTER	
7	12	•				4		ACRYLIC ACID. 2.3-DIMETHOXY ETHYL ESTER	28639CA
15	12					2		ACRYLIC ACID. 2.3-DIPHENYL-	12487CA
6	8					3		ACRYLIC ACID. 2.3-EPDXYPRDPYL ESTER	11402CA
13	12		3		1	2		ACRYLIC ACID, 2,3,3-TRICHLORD-,-	22672CA
		•						DIETHYLAMINE SALT	
21	14		2			2		ACRYLIC ACID. 2.4-DICHLOROPHENYL ESTER. 3.3-DIPHENYL	11112CA
21	18		2			2		ACRYLIC ACID: 2:4-DICHLORDPHENYL-	11119CA
وے	. 0		2			_		ESTER. 3,3-DI-P-TOLYL-,	111190

APPENDIX C

INDEX FOR GAS CHROMATOGRAPHIC DATA

GAS CHROMATOGRAPHIC DATA TABULATED ON BASIS OF LIQUID PHASE

LP SS	REF	REL-RET	<u>T</u> . A		GLP	FASTMAN-ASTM SYSTEM COMPOUND NAME	SER NO
539 80	_ 11	1.25	110	1132.	17.6	ANISOLE	1957005
539 80	11	1.29	110	1137.	17.6	O-CHLORD TOLUENE	1898005
539 80	_11	1.29	110	1138.	17.6	BENZENE . 1.3.5-TRIMETHYL-	2839005
539 80 539 80	11	1.31	110	1139.	17.6	BENZENF, BROMO- BENZENF, 1-METHYL-2-ETHYL-	1277005 2841005
539 80	12	•7?	110	1152.	17.6	M-CHLOROTOLUENE	1899005
539 80	12	.74	110	1155.	17.6	P-CHLOROTOLUENE	1898025
539 80	12	.76	110	1160.	17.6	BENZENE, 1,2,4-TRIMETHYL-	2838005
539 80	12	.99	110	1198.	17.6	BENZENE . N-BUTYL	319700S 283700S
539 80 539 80	12 12	1.09	110	1212. 1214.	17.6	RENZENE, 1,2,3-TRIMETHYL BENZENE, M-DICHLORD-	1246505
539 80 539 80	12	1.19	110	1225.	17.6	BENZENE, 1.4-DICHLORO-	1247005
539 80		.76	110 R	1260.	17.6	BENZENE . 1.2-DICHLORG-	1246005
539 50	13	.88	110 R	1282.	17.6	BENZENE+ IDDO-	1303005
539 80	13	_1.19_	110 B		17.6	BENZENE - M-BROMOCHLORO-	122000S 121950S
539 80 539 80	13 14	1.27 .81	110 K	1335.	17.6	BENZENE, P-BROMOCHLORO- BENZENE, O-BROMOCHLORO-	1219505
539 80	15	.78	110 R	1464.	17.6	BENZENE · P-DIBROMO-	1230005
539 1		31.000	. iii		25.	BENZENE	132200\$
540						1-CHLORONAPHTHALENE	
540 1	5	.67	20	466.		BUTANE, 2-METHYL-	1118005
540 1 540 1	<u>5</u>	1.23	20	517. 552.		BUTANE, 2,2-DIMETHYL- BUTANE, 2,3-DIMETHYL-	167200S
540 1	6	.56 64	20	563.		PENTANE. Z-METHYL-	1670005
540 1	6	.74	20	575.		PENTANE, 3-METHYL-	1671005
540 1	6	79	20	580.		CYCLOPENTANE	1012005
540 1	6	1.00	20	600.	42.67	N-HEXANE	166900S 154500S
540 1	6	1.14	20	606.		1-HEXENE PENTANE, 2,2-DIMETHYL-	217500S
540 1	6	1.22	20	617.		BUTANE, 2,2,3-TRIMETHYL-	2179005
540 1	7	.61	20	659.		CYCLOHEXANE	1562005
540 1		.62	20	660.		HEXANE, 2-METHYL-	2172005
540 1	7	-62	20	660.		PENTANE, 2.3-DIMETHYL-	2176005
540 1 540 1	7	1.09	20	669. 707.		PENTANE, 2,2,4-TRIMETHYL-	267700S 207600S
540 1	7	1.25	20	719.		CYCLOHEXANE, METHYL-	2099005
540 1	7	1.76	20	719.		BENZENE	1322005
553					·	POTASSIUM OLEATE	
553 1		1.010	80			P-CYMENE	320500S
553 l 553 l	126 126	1.220	80 80			TERPINENE, GAMMA~ TRICYCLENE	328250S 328600S
553 1		•400	80			PINENE	3295005
553 1	126	1.490	80			TERPINOLENE	3283005
553 1	126	1.490	BO			P-MENTHA-2,4/8/-DIENE	3283605
553 1		.510	80			CAMPHENE	3285005
553 1 553 1	126 126	.630 .780	80 80			PINENE, BETA- PHELLANDRENE, ALPHA-	329550S 328950S
553 l		.810	80			A-TERPINENE	3282005
553 1	126	1,000	80			1.8-C[NEOLE	3361505
555						1-METHYL-5/2-METHOXYETHYL/TETRAZOLE	
555 72	149	1.000	40		2.81	METHANDL	62005
555 72	149	1.430	40		2.81	ETHYL ALCOHOL	193005
556						OINITRODIPHENIC ACID, ESTER	3295005
556 1	126	.390	80			PINENE	3295005
560				-		AROMATIC TYPE LUBRICATING DIL EXTRAC	
560 1	113	.015	197			VALERIC ACID, METHYL ESTER	1614505
560 1	113	024	197			N-HFXANGIC ACID. METHYL ESTER	2139005
560 1	113	•035	197			4-METHYLCAPROIC ACID, METHYL ESTER	2640505
560 1		-052	197			6-METHYLENANTHIC ACID, METHYL ESTER	299050 <u>S</u>
560 1 560 1	113	.064 .086	197			CAPRYLIC ACID: METHYL ESTER 6-METHYLCAPRYLIC ACID: METHYL ESTER	298900S 342850S
560 I		.100	197			N-NONANDIC ACID, METHYL ESTER	3431005
560 1	113	-130	197			N-DECANOIC ACID, METHYL ESTER	3606505
560 1	113	•170	197			N-DECANOIC ACID, METHYL ESTER	3606005
560 1	113	•230 •340	197			8-METHYLCAPRIC ACID, METHYL ESTER 10-METHYLHENDECANDIC ACID, METHYL ESTE	386750S 406400S
560 I	113	•400	197			LAURIC ACID, METHYL ESTER	4065005
560 1		• 550	197			10-METHYLODOECANDIC ACID, METHYL ESTER	423650S
	113	1.000	197			MYRISTIC ACID: METHYL ESTER	4370005
560 1		1.370	197			12-METHYLTETRADECANDIC ACID. METHYL ES	448850S 455750S
560 1 560 1							
560 1 560 1	113	2.090	197			14-MFTHYLPENTADECANDIC ACID, METHYL ES	
560 1 560 1 560 1	113	2.090 2.210 2.260	197 197			CIS-PALMITOLEIC ACID, METHYL ESTER PALMITOLEIC ACID, METHYL ESTER, TRAN	455230S 455240S

APPENDIX D

CODEN FOR PERIODICAL TITLES

American Institute Of Mining And Metallurgical Engineers	BAIM-B
Bulletin (New York) (Formerly BUAI-A) (Changed To MGHT-A) American Institute Of Mining, Metallurgical And Petroleum	-mna -
Engineers, Institute Of Metal Division, Special Report	INDS-1
Series (New York)	
American Institute Of Mining, Metallurgical And Petroleum	AMTA-B
Engineers, Transactions, Annual Volume (New York) American Institute Of Physics, Information Division, I. D.	AIID~A
(New York)	
American Institute Of Physics Information Program	AINL-B
Newsletter (New York) (Supersedes AIDN-B)	A CMD - B
American Institute Of Professional Geologists, Texas Section Proceedings Of The Annual Meeting	AGTP-B
American Iron And Steel Institute, Proceedings (New York)	AIPO-B
(Changed To YAIS-A)	
American Library Association, Adult Services Division, Newsletter (Chicago)	AASN-B
American Journal Of Agricultural Economics (Ithaca, M.Y.)	AJAE-B
(Formerly JOFE-A)	
American Journal Of Dermatology And Genito-urinary Diseases (St. Louis) (Changed To UCRE-A)	AJDG~A
American Journal Of Electrotherapeutics And Radiology	AJER-B
(New York) (Pormerly JATH-A) (Changed To PHTH-A)	
American Journal Of Orthodontics And Oral Surgery, Oral	AJ00~B
Surgery Section (St. Louis) (Formerly AJOO-A) (Changed To AJOH-A)	
American Journal Of Orthodontics And Oral Surgery,	AJOR-B
Orthodontics Section (St. Louis) (Formerly AJ00-A)	
(Changed To AJOH-A) American Journal Of Orthopedic Surgery (Houston) (Formerly	AORS-A
AJOC-A)	# C40#
American Journal Of School Hygiene (Worcester, Mass.)	AJSH-B
(Changed To SHYR-A) American Journal Of Science And Arts (New Haven, Conn.)	1 TC 1 - P
(Formerly AJSC-A) (Changed To AJSC-A)	AJSA-B
American Lecture Series (Springfield, Ill.)	AHLS-B
American Library Association, Library Technology Program,	ALLP-B
L.T.P. Publications (Chicago) (Formerly ALLL-A) American Library Association, Library Technology Program,	ALTR-B
Report (Chicago) (Formerly ALLR-A)	
American Library Association, Library Technology Project,	ALLL-A
L.T.P. Publications (Chicago) (Changed To ALLP-B) American Library Association, Library Technology Project,	ALLR-A
Report (Chicago) (Changed To ALTE-B)	ALLD-A
American Management Association, Executive Compensation	AMBT-B
Service, Top Management Report (New York) (Title Varies With ABTM-A)	
American Management Association, Executive Compensation	AETH-A
Service, Top Management Survey (New York) (Title Varies	
With AMET-B)	
American Management Association, International Conference And Exhibit, Program (New York)	AMBP-B
American Manufacturer And Iron World (Pittsburgh) (Changed	AMIU-B
To IDWO-A)	
American Marketing Association, Geographic Listing Of Marketing Consulting And Research Agencies (New York)	AMGL-A
(Changed To AMGL-B)	
American Marketing Association, Marketing Research	AMGL-B
Consultants, Agencies & Services, Geographical Listings (New York) (Pormerly AMGL~A)	
American Material Handling Society Journal (Boston)	ANHJ-B
(Formerly MHEN-A) (Issued In MMHA-A)	
American Mathematical Society, New Publications (Providence) American Mathematical Society, Report (Providence)	AMMP-B
wherican nachematical postery, Report (Michaldence)	AMTS-B

DEFINITIONS

A list of some of the common terms and definitions used in data retrieval are given below. The bibliography at the end of this manual contains a number of reference works which will further clarify terminology in the field.

ABSTRACT: A precis or summary of a document.

ACCESS: A way or means of approach or retrieval.

- ACETATE FILM JACKETS: Clear sheets of acetate separated into storage chambers used for the storage of short strips of microfilm (also referred to as Film Jackets).
- APERTURE CARD: A standard-size tabulating card into which a rectangular hole has been cut. A special adhesive is then applied around the cutout area and is used to hold a microfilm image securely in place. The aperture card may be key-punched to permit mechanical retrieval of the microfilm image.
- ARRANGEMENT: The organization of items and terms in the system. Arrangement may be alphabetical, numerical, chronological, etc.
- BIBLIOGRAPHY: (1) An annotated catalog of documents.
 (2) An enumerative list of books. (3) A list of documents pertaining to a given subject or author.
- BIT: (1) (Information Theory) a binary digit. (2) An element of information. In machine language, a single unit of a word.
- BROWSING: The ability of an indexing system to lend itself to unsystematic or random searches. This ability is of interest or use to the searcher even though it may not produce a logical answer to the search question.

- CHARACTERISTIC: A qualitative or quantitative descriptor used to index an item. For documents, the characteristics are uniterms, unit concepts, etc. For data systems, they are the qualitative and quantitative descriptors describing raw materials, synthesis, properties, etc.
- CLASS: (1) A group having the same or similar characteristics. (2) A major subdivision of a category.
- CODE: (1) A communication system for information.
 (2) A system of symbols used in transmitting or storing information. (3) A representation of a term or item; employed to reduce the bulk of storage in at least one portion of a storage and retrieval system or to improve the ability to manipulate system components.
- COINCIDENCE: A denumerable relation between entities, character or subject of documents. A precisely congruent relation demonstrated by superimposition.
- COLLATE: (1) To compare or examine critically, particularly to verify the presence or absence of specific items in a text; for example, to assemble the pages of a document in correct order, hence also, to interleave.
- COMMUNICATION: (1) Means of transmitting information through a channel. (2) Access to information. (3) An act of making known hence, sometimes, publishing.
- CONCEPT COORDINATION: An indexing principle where information is broken down on input into the smallest unit concepts and retrieved by coordination of these concepts on output.

- CONVENTIONAL GROUPING: Method of grouping characteristics, items, and their codes employing a card or section of tape per item.
- DECK: A collection of cards, commonly a complete set of cards, which has been punched for a definite service (in Great Britain, the more common term is Pack).
- DEDICATED SPACE: The assigned position for each item on each superimposable card. The principle of dedicated space combined with the principles of drilling a hole in the dedicated space to show that the item has the characters represented by the card is the basis for superimposable card systems.
- DOCUMENT: Any recorded information, regardless of its physical form or characteristics, which includes, but is not limited to, the following:
 (1) all written material, whether handwritten, printed, or typed; (2) all painted, drawn or engraved material; (3) all sound of voice recordings; (4) all printed photographs and exposed or printed film still and motion pictures; (5) all products.
- DOCUMENTATION: The science of generating, recording, collecting, disseminating, storing, retrieving, and correlating information and data to render them useful with an optimum expenditure of time, money, and effort.
- EDITING: As applied to the indexing of technical information, it may be defined as the intellectual evaluation and refinement, by a group of three to five indexers, of the combined and tabulated results of the individual indexing efforts of a number of indexers.

- ENTRY: A record of a document in a catalog, list, or index sometimes called a posting.
- FALSE-DROP: A reference citation that does not pertain to the subject sought; an alien, usually in a manipulative index; a nonpertinent reference, sometimes referred to as noise.
- FIELD: In punch cards, a set of card columns fixed as to number and position. The total area of a punched card available for information storage.

FILM JACKETS: See Acetate Film Jackets.

FRAME: A single microfilm exposure.

- GROUPING: The relation of items (or item codes) to terms (or term codes) within a particular storage block. For example, item codes are grouped in term blocks in a Uniterm index, and term codes are grouped in item blocks in a Minicard system.
- HARD COPY: The original document or reproduced paper copy made from microfilm. It can also refer to a printout from such data processing media as magnetic tape or tabulating cards.
- INDEX: That which specifies, indicates, or designates the information, contents or topics of a document or group of documents.
- INDEXING: To prepare an organized or systematic list which specifies, indicates, or designates the information, contents, or topics in a document or group of documents.
- INVERTED GROUPING: Method of grouping characteristics, items, and their codes employing a card or section of tape for each characteristic; the opposite of conventional grouping.

- ITEM: An item is a physical object, such as a document, record, book, map, patent, report, photograph, etc., which is the record of information and is the ultimate object of search in a storage and retrieval system.
- KEYWORD IN CONTEXT INDEX: A listing of titles, each in its original word order, but permuted to allow various alphabetic searches of their keywords.
- KWIC INDEX: Abbreviation for Keyword in Context Index.
- MICROFICHE: A unitized microform in which a group of related images is arranged on a transparent sheet of film in the same manner that dates appear on a calendar.
- MICROFORM: A generic term for any form, either film or paper, that contains microimages.
- OPEN-ENDED: Being possessed of the quality by which the addition of new terms, subject headings, or classifications does not disturb the pre-existing system.
- PLANETARY CAMERA: A camera in which the film unit is suspended over a flat copyboard. The documents are placed on the copyboard and are photographed while remaining motionless.
- POST: (1) To transfer an initial notation from a parent or main entry to individual analytic entries, e.g., to type the proper catalog entry and number at the top of a group of catalog cards.
 - (2) (Coordinate indexing) To put the accession number of a document under each entry representing a coordination term.
- RANDOM ACCESS: The ability to retrieve an item or term directly without going through the process of sequential search.

- READERS: Equipment capable of enlarging microimages to a size that can be read with the naked eye. The images are projected on a ground-glass screen.
- READER-PRINTERS: Equipment that in addition to enlarging microimages to readable size can also make paper copies of selected images.
- RETRIEVAL: The act of finding again; recovery; retrospective searching and securing of documents. The act of going to a specific location or area and returning therefrom with an object or document.
- ROTARY CAMERA: A camera in which the documents are transported by a moving belt before the film where they are photographed.
- SEQUENTIAL SEARCH: A retrieval technique whereby each item is examined to determine if it contains the term or combination of terms in question.
- SUPERIMPOSITION: The condition of one being laid upon another for the purposes of comparison.
- TAPE: (Data Processing) (1) A plastic strip coated or impregnated with magnetic or optically-sensitive substances, used for data input, memory or output. (2) A paper or plastic strip with punches or other arbitrary signs representing alphabetic or numeric data.
- TERM: That which is used to characterize an item for the purpose of storing it in or retrieving it from a storage and retrieval system. Whether or not we restrict the concept of "term" to a single word or to signify a phrase, a set of words, or even an abstract, is arbitrary. The words descriptors, uniterms, characteristics, aspects, and locators are essentially synonymous.

UNITERM CARDS: A ten column card representing a term in an information system. On each such card are listed the uniterm numbers for the items characterized by that term. The item identification numbers are entered on a card in ascending order in any one of ten columns according to the final digit of the identification number. Uniterm cards provide a manual method of coordinating the concepts in an information system.