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**by R. F. HANMER**

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## ABBREVIATIONS

Ampost	American Postage Meter Company
APT	Automated Postal Teller
ATM	Automat see Frama, Klussendorf
Automx	Automax
CCC	Commercial Controls Corporation
CGA	French manufacturer
CGA-AL	CGA-Alcatel
CON	Continental Postage Meter Corporation
Cruz	Crouzet of France
D&D	Design and Development, Inc.
EMD	EMD-Camp of France
EPELSA	Spanish manufacturer
Frama	Swiss manufacturer
Frtyp	Francotyp
Friden	Friden / Singer / Friden Alcatel
GAPA	French manufacturer
Hasler	Hasler, Leo/Hasler
IBM	International Business Machine Corp.
Intmec	Intermec
IPSC	International Postal Supply Company
Klussen	Klussendorf
Krag	Norwegian manufacturer
Mack	Mack Postograph Company
Madnr	Maduner of France
Mailmt	Mailomat, Pitney Bowes
Matsu	Matsushita of Japan
MFZC	Mailed From ZIP Code ....
MM	Markirovalnaia Masina (Russian)
MOG	French manufacturer
MOM	Mail-O-Meter Company
Mulpst	Multipost Company
NCR	National Cash Register Company
Neopst	Neopost
Nixdrf	Nixdorf
NPM	National Postal Meter Company
Ohmer	Ohmer Fare Register Co.
PB	Pitney Bowes Postage Meter Company
Postla	ADS-Postalia Corp.
PPMC	Pitney Postal Machine Company
PRISM	Postal Retail Information Systems Management
PVI	Postage Validation Imprinter
Rena	Adrema Pitney Bowes
Satas	French manufacturer
SCF	Sectional Center Facility
SFPS	Strategic Financial Planning Systems
SIMA	Italian manufacturer
T-N	Tele-Norm Corp. / ADS-Postalia Corp.
TEC	Japanese manufacturer
Univ	Universal Stamping Machine Company
UFF	Universal Postal Frankers, Ltd.
USPM	United States Postal Meter Company
WMM	Whitlock Metered Mail Company

## \*\*\*\*\* MANUFACTURER OR TRADE\_NAME \*\*\*\*\*

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PB	Reversed Flap Envelopes	'61	2	79
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PB	Rotated townmark PB 309717	'63	2	91
PB	RTPH Printing and Counting-Head	'88	4	199
PB	S/W AA2 mysteries	'79	1-2	165
PB	S/W AA2 mysteries	'80	5	169-70
PB	S/W BA early use	'77	1-2	158
PB	S/W BA early use corrected dates	'77	1	157
PB	S/W CA permit sometimes missing	'83	2	182
PB	S/W CA2 permit missing	'83	2	180
PB	S/W CA2 with surcharge	'76	2	156
PB	S/W DB meter 9001	'82	2	177
PB	S/W DB meters	'83	3	182
PB	S/W DB, DE, DF EKU	'86	10	193
PB	S/W DB1a Permit in townmark	'85	8	187-8
PB	S/W DB1Aa early use, new values	'86	5	195
PB	S/W DB4 - DB8 review	'83	1-2	181
PB	S/W DB4, DB8 not experimental	'84	3	183
PB	S/W DB4-8 review	'79	1-2	166
PB	S/W DE2-2 +half cent	'85	8	187-8
PB	S/W DF, HA, HC additions	'83	3	179
PB	S/W DF4 BLK.RT. in townmark	'83	3	179
PB	S/W DF7g ZIP at bottom of townmark	'85	8	187-8
PB	S/W HA, HC large number style	'79	3	164
PB	S/W HA, HC large numerals summary	'80	4	169-70
PB	S/W HA, HC Parcelmatic varieties	'81	9	174
PB	S/W HA4 with parcelmatic lines	'85	4	189
PB	S/W HA4, 10, 12 slugs	'82	2	176
PB	S/W HA4,8,10 large numerals	'77	2	159
PB	S/W HA9 John Hancock Mutual Life	'79	2	164
PB	S/W HA10 large meter number style	'79	3	166
PB	S/W HA10 large numerals	'77	2	160
PB	S/W HA10B on 750001	'82	7	178
PB	S/W HA12 CARRIER RT. PRESORT	'79	2	165
PB	S/W HA12B new 780000 series	'83	3	179
PB	S/W HC 3300000 used on metr models	'78	2	162
PB	S/W HC HE hybrid	'82	7	178

PB	S/W HC4 2000000 series	'76	2	155
PB	S/W HC8B new varieties	'84	3	185-6
PB	S/W HD2,3,3a HA10 errors	'79	2	167-8
PB	S/W HE 6000000 series new	'81	1	171
PB	S/W HE slippage	'84	1	183
PB	S/W HE, HC8B new varieties	'84	3	185-6
PB	S/W HE1 Model 6500 versatile	'82	3	177
PB	S/W O(HA) to be renumbered, 639877	'83	2	180
PB	S/W O(HC)3 3310000	'83	1	182
PB	S/W O(HD)1 new number 1599842	'84	3	185-6
PB	S/W O(HE)1 varieties	'86	5	191
PB	S/W O(KE)2 1 mm wavy lines	'84	1	183
PB	S/W P(HA) P(HC) update	'86	3-4	195
PB	S/W P(HA)2 and 3 update	'87	5	196
PB	San Marino meters	'84	4	183
PB	Schematic diagrams HA, HC, HD meters	'78	9	161
PB	Serrated edge HC8 ?	'86	6	195
PB	Six bank machine ?	'86	6	195
PB	Slippage, not serration HC8	'87	4	196
PB	Small volume meters	'88	4	202
PB	Spacing varieties	'49	1	10
PB	State Revenue Tax Meters	'87	9	197
PB	Tape stamp machine Model 5840	'71	1-2	135
PB	Tape type new	'88	3	200
PB	United Nations rebuilt meters	'68	2	118
PB	United Nations replacement meters	'83	6	182
PB	UPS meter type 70000 series	'73	1	147
PB	Vanuatu	'83	5	180
PB	Washington 1903-4 Philometer	'52	1-3	37
PB	Wavy lines coincidental, not design	'79	3	165
PB	West Germany UPS imprint	'83	5	181
PB	Zimbabwe use	'87	13	197
PB	ZIP+4 in townmark	'87	2	196
Postla	Bulk rate decimals 750000 series	'68	1	120
Postla	Canada Decimal Rate meters	'83	5	179
Postla	Canada Group J	'88	5	199
Postla	Change from Postalia to T-N	'62	3	80
Postla	Decimals for Bulk Rate	'69	1	127
Postla	Directional slugs	'81	11	172-3
Postla	Four digit version 950000 series	'86	2	194
Postla	Introduction into US	'61	1-3	78
Postla	Israel	'83	6	181
Postla	Korea	'88	8	200
Postla	Meter size reduced	'82	6	178
Postla	Model KF-1501/8 introduced into US	'64	3	92
Postla	Model MS-5 to Canada meter 465000	'85	9	187-8
Postla	Model TOM picture, news	'80	6	169-70
Postla	Model TOM tape only mailing illust	'81	13	172-3
Postla	Netherlands	'88	6	200
Postla	New varieties, update S/W page	'87	4	198
Postla	No decimal S/W O(JA)1	'87	2	197
Postla	Official Mail meters summary	'79	4-5	167-8
Postla	Ownership change	'70	1	129
Postla	Ownership changes	'78	3	162
Postla	Postalia USPS in townmark	'88	2	199
Postla	Postalia 950000 series Official	'88	2	199
Postla	Roumania expo	'82	5	175

Postla S/W J research and chart	'78	5	163
Postla S/W JA update	'87	8	197
Postla S/W JA1 also 800000 series	'83	3	179
Postla S/W JA6 JA7 new	'85	1	189
Postla S/W JA8 950000 series	'84	3	185-6
Postla S/W O(JA)1 AFO's, Agriculture Dept	'82	2	175
Postla S/W O(KE)2B with F, add 503502	'83	4	179
Postla Safety Paper new	'85	6	187-8
Postla Specimens	'82	2	175
Postla Townmark lettering styles	'78	3	162
Postla Unusual value 19 1/2 cents	'64	1	95
Postla Vatican City	'81	1-3	172-3
Postla West Germany UPS imprint	'83	5	181
PPMC Washington Shield 1912-3 census	'85	7	187-8
Roneo Canada Postage Due Roneo Vickers	'79	7	166
Satas Australia new types	'86	8	195
Satas Iran	'79	2	164
Satas Korea	'88	8	200
Satas Zimbabwe use	'87	12	197
SFPS Strategic Financial Planning Systems	'88	2	200
SFPS Strategic Financial Planning Systems	'88	1	199
SIMA Italy demonstrator	'83	6	180
SIMA San Marino meters	'84	4	183
SIMA Vatican City	'81	1-3	172-3
Singer First prints with F for Friden	'74	3-4	150
Singer Official Mail meters summary	'79	5	167-8
Singer S/W KA KE	'79	3	164
Singer S/W O(KA) new data	'78	6	163
Singer S/W P(KB)2 postage due	'79	2	167-8
T-N Germany stamp affixing/cancelling	'79	4	166
T-N Pre-sorted first class	'79	2	165
T-N S/W JA4 varieties	'77	4	160
T-N S/W JA4 variety	'84	3	185-6
T-N Value figures shape	'77	4	160
TEC Japan meter numbers	'85	7	190
TEC Thailand Japanese mfr	'88	5	199
Univ England multi-value meters 1932-62	'64	2	92
Univ Iran	'79	1	164
Univ Mozambique use	'60	4	70
Univ Universal Simplex Bechuanaland	'88	7	200
Univ Zimbabwe use	'87	12	197
UPF Affiliation with PB	'57	1	67
UPF Iran essays	'79	1	164
UPF Universal Postal Frankers Korea	'88	5	202
UPF Universal Postal Frankers Korea	'88	6	201
USPM Description	'49	1-2	7
USPM Meter Numbers in use	'60	1	72
WMM S/W CE1 new Whitlock Los Angeles	'79	2	166
WMM Whitlock essay	'79	5	164

\*\*\*\*\* SORTED BY COUNTRY NAME \*\*\*\*\*

A.E.F = French Equatorial Africa	'79	4	164
Aden	'88	7	200
Aland Islands of Finland	'85	11	187-8
Algeria PO Frama	'85	10	187-8

Argentina	currency change	'86	4	194
Argentina	inflation adds zeros	'83	5	180
Argentina	inverted townmark	'85	13	187-8
Argentina	Peso/Austral	'87	14	197
Argentina	Recibo	'80	10	169-70
Argentina	Relief Machine loaner	'87	11	197
Aruba	PB	'88	5	199
Australia	Frama	'88	6	201
Australia	Frama	'88	10	200
Australia	Frama labels	'87	5	198
Australia	Frama new design	'86	4	194
Australia	Frama new types	'86	3	192
Australia	Frama seven installed	'84	4	183
Australia	Frama types	'86	8	195
Australia	Neopost ANPEX 82	'83	6	180
Australia	Satas new	'86	8	195
Australia	tape like PVI	'87	6	196
Australia	TNT Mailfast	'88	5	201
Austria	altered dies	'81	4	171
Austria	Frama	'88	10	200
Austria	Framas introduced	'83	5	180
Austria	IFABO '83	'85	7	190
Bangladesh	altered dies	'81	4	171
Bangladesh	meter	'85	9	190
Bechuanaland	Universal Simplex	'88	7	200
Belgium	BELGICA '82 Frama	'83	6	180
Belgium	commemorative Frama	'86	4	192
Belgium	commemorative label	'87	8	196
Belgium	commemoratives Frama	'87	15	197
Belgium	commemoratives Framas	'88	6	199
Belgium	first Framas 16 Nov '81	'82	1	177
Belgium	Frama	'86	2	193
Belgium	Frama	'88	7	201
Belgium	Frama Europhilia 88	'88	10	200
Belgium	Frama more added	'83	7	182
Belgium	Frama new design	'85	11	187-8
Belgium	Frama commemorative	'86	7	191
Belgium	Frama commemorative	'87	5	198
Belgium	Frama PO Meters	'82	1	178
Biafra ?	Nigeria ?	'82	7	175
Bophuthatswana	PB essay	'79	3	164
Bophuthatswana,	meter in Mafikeng	'85	13	187-8
Brazil	currency change	'86	4	194
Brazil	first Framas 10 Jun '81	'82	1	177
Brazil	Frama PO Meters	'82	1	178
Brazil	Frama with centavos	'84	8	185-6
Brazil	Hasler Mailmaster	'85	10	187-8
Brazil	PO meter nos. GA.000001-10	'83	4	179
Brazil	prefixes	'83	5	180
Bulgaria	1945 meter	'84	5	184
Canada	Borden, Ont townmarks	'79	7	166
Canada	Canadian Postal Corps meters	'79	6-7	165
Canada	changes in figures	'62	2	82
Canada	Dead Letter / Undeliverable	'79	6	166
Canada	Decimal Postage Rates	'83	5	179
Canada	designs in use Roneo-Neopost	'70	1/3	131
Canada	errors, new meter CCC	'77	4	158

Canada Fractional Values PB	'69	2-3	122
Canada Frama tests	'86	4	194
Canada Friden and Postalia news	'83	6	182
Canada Friden introduced, examples	'81	2-3	174
Canada Friden model 9000 330000up	'85	10	189
Canada Friden Model 9222	'71	3	134
Canada Friden Models FM-4, 9200	'71	4	136
Canada Friden new design	'65	3	103
Canada Friden Series 9	'87	5	198
Canada Friden specimen	'66	3	106
Canada Hasler Mailmaster	'82	9	176
Canada inverted townmarks HD2	'84	5	183
Canada Le Mekanotériste	'85	10	190
Canada meter numbers by manufacturr	'71	4	139
Canada meter types PB,Brit.Midget	'52	1-4	39
Canada meter types PB,NPM,Neopost	'52	1-4	40
Canada modified townmark dies	'82	6	175
Canada Neopost ?	'88	1	200
Canada Newfoundland meters	'79	10	165
Canada no townmark Hasler,Postalia	'84	7	185-6
Canada non-postage meters	'86	1-2	191
Canada Ohmer-Fare proof	'82	6	177
Canada PB Model 5300 F/V fractions	'70	4	128
Canada PB model 5700, 869500 ser.	'85	10	189
Canada PB Model 6511 1000000 ser.	'82	6	177
Canada PB Model DM	'50	4	20
Canada PB Model H3 B/S type 6	'82	4	176
Canada PB Model RT-7 F/V fractions	'70	1	129
Canada PB varieties	'83	7	180
Canada Post Office Nixdorf	'88	6	202
Canada Postage Due styles	'79	3	164
Canada Postage Due Toronto	'79	6-7	166
Canada Postalia J	'88	5	199
Canada Postalia MS-5 465000	'85	9	187-8
Canada Private Parcel Meters	'88	1	202
Canada Touchmatic 800000 series	'69	1	124
Canal Zone APO FPO summary	'79	9	167-8
Cayman Islands meter types	'80	8	169-70
CCCP = SSSR = Soviet Russia	'79	5	164
Chad altered dies	'81	4	171
Chile Frama	'88	6	201
Chile specimen	'77	7	160
China	'87	14	197
China Frama?	'87	7	196
Ciskei	'82	6	177
Colombia	'87	14	197
Cook Islands	'78	7	163
Countries which use meters	'61	3	76
Countries which use postage meters	'76	4	156
Countries which use postage meters	'77	6	159
Countries which use postage meters	'77	7	157
Countries which use postage meters	'77	8	158
Cuba Frama	'85	7	190
Cuba Frama commemorative	'86	7	191
Cuba Framas issued in Germany	'84	8	185-6
Cyprus currency change	'86	4	194
Cyprus new Frama	'86	4	192

Czechoslovakia	altered dies	'81	4	171
Czechoslovakia	Frama PO Meters	'82	1	178
Czechoslovakia	meter history, types	'79	8-9	166
Czechoslovakia	meter history, types	'79	10+	167-8
Czechoslovakia	meter types	'87	12	197
Czechoslovakia	Russian machine	'87	5	198
Czechoslovakia	spellings, early use	'80	9	169-70
Denmark	Friden 1969 proof	'81	4	174
Denmark	PB relief/loaner machine	'87	7	196
Denmark	postage due	'80	10	169-70
East African Forces	altered dies	'81	4	171
East Germany	labels are not meters	'82	5	176
East Germany	official mail	'80	10	169-70
Ecuador		'88	7	200
Ecuador	mystery imprint	'86	9	191
England	birthplace of Walter Bowes	'66	3	109
England	Frama	'88	10	200
England	Frama price	'87	15	197
England	Friden 1970-1972 meters	'81	4	174
England	GR VI ER II	'54	3	53
England	multi-value meters 1932-62	'64	2	92
England	non-postage meter	'86	3	191
England	parcel post	'80	10	169-70
England	PB Models 5400, 5500	'64	3	94
England	Relief Machine loaner	'87	11	197
England	special purpose indicia	'62	1	82
England	street car ticket meters	'56	4	58
England	town list	'57	2	67
Ethiopia		'87	14	197
Finland	Finlandia '88	'86	3	192
Finland	first Framas 1 Apr '82	'82	1	177
Finland	Frama	'88	6	199
Finland	Frama	'88	7	201
Finland	GAPA machine	'88	9	200
France	Automat	'88	7	202
France	computerized PO meters	'86	11	193
France	Eiffel Tower meter	'52	1	44
France	Eiffel tower slugs	'80	12	169-70
France	EMD-Camp, CGA, Crouzet mfgs	'84	9+	185-6
France	Frama	'88	7	201
France	Frama PO Meters	'82	1	178
France	MIRABEL Crouset and GAPA	'85	8	190
France	PHILEXFRANCE 82	'83	6	180
France	postage due (timbre taxe)	'86	2	191
France	Relief Machine loaner	'87	11	197
France	widespread use of meters	'83	5	181
Germany	Klussendorf labels	'87	8	196
Germany	non-postage meter	'86	1	191
Germany	stamp affixing/cancelling	'79	4	166
Greece	automat Panhellenic Stamp	'86	3	192
Greece	commemoratives Framas	'88	6	199
Greece	Frama	'88	9	200
Greece	Frama Ionnina 88	'88	10	200
Greece	Frama commemorative	'86	7	191
Greece	inverted slogan	'85	11	189
Greenland	relief machine loaner	'87	11	197
Grenada	altered die	'81	5	171

Guatamala stamps vs meters	'87	15	197
Guatemala meter use	'61	3-4	79
Hong Kong Frama	'88	10	200
Hong Kong Frama design changes	'87	6	198
Hong Kong Frama Automat	'88	7	202
Hong Kong unidentified meter	'88	6	202
Hungary GAPA	'87	15	197
Hungary specimen	'77	7	160
Iceland Frama	'83	5	181
Iceland Frama	'88	9	200
India meters	'84	5	184
India Refugee Relief meters	'78	8	162
Indonesia	'77	7	160
Iran meters	'79	1	164
Ireland parcel post	'80	10	169-70
Israel currency change	'86	4	194
Israel new meter types	'83	6	181
Italy inverted slogan	'85	11	189
Italy non-postage meter	'86	3	191
Italy registration	'80	11	169-70
Italy SIMA and Audion demonstrated	'83	6	180
Jamahiryia is Libya Automax	'82	2	178
Japan	'84	4	183
Japan	'87	14	197
Japan 34 letters in 21mm	'78	7	163
Japan 34 letters in town name	'79	10	165
Japan Matsushita self-service metr	'79	6-7	165
Japan Meter Exhibition 1986	'86	7	195
Japan new GAPA ?	'86	4	192
Japan receipt for payment	'85	8	190
Japan self service meters	'76	3	155
Japan TEC meter numbers	'85	7	190
Jordan	'77	7	160
Jugoslavia	'88	9	200
K.S.A. = Kingdom of Saudi Arabia	'79	4	164
Korea Intro To Meter Stamps	'88	8	200
Korea Meter Stamps	'88	6	201
Korea new Francotyp	'86	8	195
Korea PB?	'67	3	115
Korea Univ Postal Frankers	'88	5	202
Kuwait Frama print any value	'86	3	192
Kuwait Frama discontinued	'86	10	193
L.A.R. = Libyan Arab Republic	'79	4	164
Latvia altered die	'81	5	171
Lebanon illustrated	'78	10	161
Lesotho inverted townmark	'85	9	190
Luxembourg Frama	'83	5	181
Malaysia Frama	'88	7	201
Malaysia Frama	'88	10	200
Malaysia Neopost	'88	7	200
Mauritius illustrated	'78	10	161
Mayotte	'78	7	163
Mexico manufacturer codes in meters	'83	5	180
Mexico PB die changes	'78	1-2	163
Montserrat altered die	'81	5	171
Name changes of countries	'60	3	68
Namibia Frama	'88	10	200



Netherlands	127 new Framas	'86	4	192
Netherlands	Antilles	'88	5	199
Netherlands	Frama	'86	2	193
Netherlands	Frama PO Meters	'82	1	178
Netherlands	Hasler	'88	6	200
Netherlands	Label collection	'86	8	195
Netherlands	Local Post Meters	'87	1	197
Netherlands	new Hasler Mailmaster	'79	5	167-8
Netherlands	non-postage meter	'86	2-3	191
Netherlands	Pitney Bowes	'88	6	200
Netherlands	Post Paid	'88	6	200
Netherlands	postage due	'80	11	169-70
Netherlands	Postalia	'88	6	200
Netherlands	special purpose indicia	'62	1	82
New Guinea		'88	7	200
N Z = New Zealand		'79	4	164
New Zealand	1904,5,6 automat	'86	2	192
New Zealand	Automat	'88	6	202
New Zealand	Frama	'86	2	193
New Zealand	Frama	'88	7	201
New Zealand	Frama brief trial	'85	11	187-8
New Zealand	missing townmark	'85	11	189
New Zealand	print any value	'86	3	192
Newfoundland	meters	'79	10	165
Nicaragua		'77	7	160
Nicaragua	Frama	'86	3	192
Nigeria ?	Biafra ?	'82	7	175
Norway	earliest automat 1900	'86	2	192
Norway	Frama	'83	4	179
Norway	Frama new and old	'86	9	195
Norway	Frama PO Meters	'82	1	178
Norway	Framas without machine #	'82	1	177
Norway	official mail	'80	11	169-70
P.I. = Philippine Islands		'79	4	164
Panama	non-postage meter	'86	3	191
Peru	tax	'52	3	43
Philippines	bridge toll fee PB	'87	7	196
Pitcairn Island	Frama	'86	4	194
Poland	meter types	'78	7	162
Portugal	Frama	'86	3	193
Portugal	Frama	'87	15	197
Portugal	Frama	'88	10	200
Portugal	Framas 1 Sep '81 001-007	'82	2	177
Portugal	military postal service	'80	11	169-70
Romania		'88	6	199
Roumania	expo Postalia	'82	5	175
Russia	1987 meter	'87	7	196
Russia	PB CCCP	'77	5	158
S.A.D.C. Singapore = Strat.Air Defn		'79	5	164
San Marino	abbreviated R.S.M.	'82	6	177
San Marino	Meter on stamp	'88	13	200
San Marino	meters.	'84	4	183
Saudi Arabia		'77	7	160
Singapore	altered die	'81	5	171
Singapore	Automat	'88	6	202
Singapore	Frama	'88	7	201
Singapore	Frama	'88	10	200

South Africa Frama	'87	15	197
South Africa Frama	'88	6	199
South Africa Frama	'88	10	200
South Africa Frama experiment	'86	4	194
South Africa inverted townmark	'85	13	187-8
South Africa parcel post	'80	12	169-70
South West Africa parcel post	'80	12	169-70
Spain and Canary Islands EPELSA	'88	6	199
Spain computer postage labels	'85	7	190
Spain Frama PO Meters	'82	1	178
Sri Lanka	'77	7	160
Sweden altered die	'81	6	171
Sweden PO Frama	'85	10	187-8
Sweden Relief Machine loaner	'87	11	197
Switzerland 400 automats in use	'82	2	177
Switzerland Frama operation	'79	6-7	165
Switzerland Frama PO Meters	'82	1	178
Switzerland meter exception	'60	4	69
Switzerland OP ART 51	'88	13	200
Switzerland PB Portomatic	'88	8	200
Switzerland Postaufgabe = MFZC	'78	8	163
Switzerland special purpose indicia	'62	1	82
Thailand TEC of Japan	'88	5	199
Turkey currency change	'86	4	194
Turkey Klussendorf	'88	10	200
U.A.E. = United Arab Emirates	'79	5	164
U.A.R. = United Arab Republic	'79	5	164
U.S. Trust Territories meter use	'80	13	169-70
U.S. Trust Territories meter use	'81	3	171
United Nations developments	'78	6	162
United Nations error, slogan	'77	7	160
United Nations meter notes	'77	6-7	157
United Nations meters 1 and 4	'52	1	36
United Nations PB slogans	'77	7	158
United Nations PB, other dies	'79	8-9	165
United Nations rebuilt PB meters	'68	2	118
United Nations replacement meters	'83	6	182
United Nations Vienna	'80	9	169-70
Vanuatu PB meter	'83	5	180
Vatican City meter types	'81	1-3	172-3
Vatican City meter types	'82	8	176
West Germany 27 Sep and 4 Oct '82	'82	6	177
West Germany altered dies	'81	5	171
West Germany auto. counter service	'85	10	187-8
West Germany automats	'81	14	172-3
West Germany automats new	'81	6	171
West Germany computer postage label	'85	6	190
West Germany meter codes for mfgr.	'82	5	176
West Germany meter postage window	'79	7	164
West Germany metered adhesives	'83	6	179
West Germany new label	'85	11	189
Zimbabwe first Frama	'86	7	191
Zimbabwe Frama labels	'86	2	192
Zimbabwe Hasler Mailmaster	'84	8	185-6
Zimbabwe meter types	'87	12	197

## \*\*\*\*\* EARLIEST KNOWN USES

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Earliest Known Uses PB	'88	2	201
MFZC EKU list	'80	2	169-70
S/W DB, DE, DF EKU	'86	10	193
S/W DB, DE, DF PB	'87	7	197
S/W HE 6000000 UKU 13 Jun '80	'81	1	171
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OFFICIAL METERS

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Documentary, non-postage meters	'86	1-3	191
Friden no F O(KE)1 and 2	'88	4	201
Friden KF KG	'88	1	201
Friden Series 9 like O(KE)	'88	2	199
Hasler 2805781 Official	'88	2	199
Hasler stars point up/down	'87	3	198
Key letter missing Friden O(KE)2b	'84	7	185-6
Law, non-postage meters	'86	1-3	191
Maryland tax in Virginia	'52	3	36
Meters slash military costs	'87	3	196
Military use	'74	1	150
Minnesota taxes on deeds meter	'88	12	200
Missing townmarks PB	'87	3	197
Narrow wavy lines PB 3315210	'87	2	197
No decimal Postalia	'87	2	197
Non-standard APO townmark PB	'85	3	190
Official Mail meters summary	'79	4-5	167-8
Official meters update	'88	4	200
Official pseudo	'88	5	200
Official with APO	'78	4	162
PARCEL POST S/W O(HC)2	'86	4	193
PB Model 6900 S/W O(HD) O(HF)	'87	1	196
PB and Postalia imprints new	'78	2	161
Peru tax	'52	3	43
Philippines PB & Hasler docum.	'86	9-10	195
Postalia 950000 series	'88	2	199
Postalia and PB new imprints	'78	2	161
Revenue, non-postage meters	'86	1-3	191
S/W KE3 adapted with slogan	'77	2	159
S/W KE3 on Official meter	'77	3	157
S/W LA1 Clerk of Court Lafayette	'85	2	189
S/W O(HA) to be renumbered, 639877	'83	2	180
S/W O(HA)1 small colon	'83	4	181
S/W O(HA)2 with drop shipment slug	'85	4	189
S/W O(HA,HC,HD,KA,KB,KE) new	'77	6	160
S/W O(HC)1 PB Parcelmatic	'81	3	171
S/W O(HC)2, new O(HE)1	'83	4	179
S/W O(HC)3 3310000	'83	1	182
S/W O(HC)3 3310000 and 4300000	'85	3	189
S/W O(HD)1 Air Force use	'76	1	156
S/W O(HD)1 meters 1599842, 1466042	'85	3	189
S/W O(HD)1 new number 1599842	'84	3	185-6
S/W O(HE) USPS PO	'84	1	184
S/W O(HE)1 varieties PB	'86	5	191
S/W O(HE)1 in 6090000 series	'87	2	196
S/W O(JA)1 at APO and Agricul.Dpet.	'82	2	175
S/W O(JA)1 update list	'79	4	165
S/W O(JA)1, O(KB)1 highest numbers	'78	3	163
S/W O(KA) new data Singer	'78	6	163
S/W O(KA)1 adapted from KA5	'77	2	158
S/W O(KA)1 official used privately	'78	2	162
S/W O(KA)1 and 2 Singer/Friden	'86	5	191

S/W O(KA)1 and 2, type A and B	'86	7	192
S/W O(KB)1a missing townmarks	'85	3	189
S/W O(KE)1 no F, etc	'83	4	180
S/W O(KE)1 variety Meter 503026	'85	4	189
S/W O(KE)1, O(KE)2A and B	'86	4	191
S/W O(KE)2 1mm wavy lines	'84	1	183
S/W O(KE)2B new	'82	7	178
S/W O(KE)2B shortened inscription	'82	5	177
S/W O(KE)2B with F, add 503502	'83	4	179
Small townmark reported	'85	3	189
State Revenue Tax Meters	'87	9	197
Tax meters cigarettes	'49	4	11
Tax meters states	'49	1-2	8
Tax meters states NH SC FL	'80	13	169-70
Tax meters states revenue	'87	9	197
US/PS found on O(HE) meter	'85	3	189
USPS rules for Federal Agencies	'80	7	169-70
ZIP in townmark Hasler	'86	6	195
ZIP+4 in townmark	'87	2	196

\*\*\*\*\* PARCEL / COURIER SERVICE

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Affiliated Parcel Deliveries NY,NJ	'66	3	105
American Messenger Service	'86	5	194
American Messenger Service	'88	10	201
APD PB	'88	11	201
Berkshire Apparel	'88	5	202
CANPAR	'88	11	201
CANPAR PB, Friden, Postalia meters	'82	6-7	176
DIGI Digital Equip Corp? UPS	'88	5	199
DSI	'88	5	202
EFD Package Express	'88	10	201
EFD Package Express PB use	'81	13	172-3
Hourly Philadelphia	'88	5	202
Local Parcel Inc	'88	10	201
Merchants Delivery	'88	5	202
Metro Line	'88	10	201
Parcel meters non-UPS	'88	10	201
Postplan England	'86	5	194
Private Canada	'88	1	202
Purolator	'88	5	202
Purolator	'88	11	201
Purolator PB meter	'82	7	176
Red perf line vertical Friden	'87	3	197
Retail Delivery	'88	11	201
Retail Delivery Service Englewood	'70	1	128
Rochester Package	'88	5	202
Rochester Package Delivery	'70	1	128
Rochester Package Delivery FB RT	'65	1	101
State of North Carolina	'88	11	201
TNT PB meter	'82	7	176
TNT PB meter	'82	7	176
Transborder Mail Friden	'88	3	199
UPS Canada identical to US prints	'82	6	176
UPS delivers half the nation's pkgs	'71	4	138
UPS earliest PB use by UPS ?	'81	6	171

UPS Friden 8400000 use	'81	13	172-3
UPS Friden tape	'68	2	119
UPS Friden varieties	'77	3	157
UPS Hasler in use	'82	7	178
UPS meter stamps PB Model RF	'65	1-3	98
UPS meter stamps, PB, Postla, NCR	'65	1-3	99
UPS meter type 70000 series	'73	1	147
UPS meters in 30 states	'69	3	126
UPS new meter types make ?	'79	3	165
UPS omission	'86	5	194
UPS Orbitran PC-4 parcel register	'77	4	159
UPS PB series 4000000 up new	'77	2	157
UPS stamps something new to collect	'64	1	97
UPS West Germany UPS imprint	'83	5	181
UPS Worcester, Mass	'68	2	116

\*\*\*\*\* POST OFFICE METERS

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Arizona abbreviated AR error	'80	3	169-70
Branches and Stations	'62	2	81
Contract Branches & Stations	'88	3	201
Error abbreviating Ohio	'87	1	198
Filing meter tapes	'60	3	72
Friden PO and Non-Profit	'84	4	185-6
Friden PO in townmark	'68	2	117
Friden PO tapes	'68	3	119
Hasler S/W LA1	'86	2	194
Ink colors by month	'52	2	50
IRT Integrated Retail Terminal	'88	1	199
Jacksonville Parcel Post test D&D	'73	1-3	148
Meter 7000033 etc Friden Experiment	'85	4	189
Meters ordered for PO's	'48	2	2
MSC North Suburban Illinois	'84	2-3	183
New Orleans without USPS Expo	'85	5	187-8
P-number removed from townmark	'63	3	91
PB Model 5300 wavy line spacing	'68	2	120
PB Model 5316, 5318	'64	1	92
PB Model RT-3, RF-3 rebuilt meters	'66	1-2	105
PO in Private firms P(HC) P(HA)	'86	3-4	195
PO instead of USPS S/W P(HC)2B	'85	9	187-8
PO meter collecting	'50	1-2	19
PO meter slug, ZIP in townmark	'81	4	172-3
Post Office as non-profit firm	'82	4	177
Post Office Canada Nixdorf	'88	6	202
Postage due Friden Model 9228	'69	1	126
Postal Cards value added by meter	'56	4	59
Postal Retail Info Systems Mgmt	'88	1	199
Postal Validation Imprinter Friden	'85	1	189
Postalia USPS in townmark	'88	2	199
PRISM Postal Retail Info Sys M	'88	1	199
PRISM Postal Retail Info Sys M	'87	9	197
Purple tapes for registry	'50	2	23
Rural Branch names in townmarks	'67	1	111
S/W O(HC)1a Air Force with PO	'79	3	164
S/W P(EB)1 ECI test NCR	'79	3	166
S/W P(EB)1 NCR size change	'78	2	162

S/W P(HA), P(HC) new varieties	'83	4	179
S/W P(HA) P(HC) update	'86	3-4	195
S/W P(HA)2 update	'87	5	196
S/W P(HA)2 error Carson CA	'80	2	169-70
S/W P(HA)3B large number style	'79	3	164
S/W P(HA)3d should be PD(E)5a	'85	4	189
S/W P(HC)2B sub-type	'84	2	183
S/W P(HC)3 PS US reversal	'83	6	182
S/W P(HE)1 USPS	'84	2	183
S/W P(KB)2 postage due	'79	2	167-8
S/W P(KE)2 new PO in townmark	'82	4	177
S/W PD(D)2 early proof	'81	4	172-3
San Jose, Boston, etc Friden test	'84	1	185-6
Spelling errors	'77	4	158
State error Arizona/Arkansas	'87	2	198
Stations & Contract Branches	'88	3	201
Stations and Branches	'62	2	81
Tampa PO Intermec PVI	'86	5	195
Tampa and Vienna tests Intermec	'86	2	194
US/PS found on O(HE) meter	'85	3	189
USPS in private meter ZIP 22906	'87	2	198
USPS in townmark inadvertent?	'87	3	196
USPS odd placement in dial	'87	1	198
USPS replaces PO in townmarks	'77	3	158
Vacation collecting	'52	2	43
Vienna, Va tests, thermal images	'85	2	190
ZIP code in townmark first reported	'78	1	162

## \*\*\*\*\* SLOGANS / SLUGS / DIRECTIVES

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Advertising by postmark	'53	1	51
Advertising slug in unusual place	'78	3	161
Advertising winners	'49	2	11
Altered slugs	'78	3	163
ASME slogan	'87	2	196
Balloon slogans 1983	'84	5	184
Bank Branch Offices numbered slogan	'62	1-2	81
Bicentennial slogans	'76	2	156
Bicentennial slogans	'78	5	161
BLK.RT. Hasler LA	'86	4	193
BOUND/PRINTED MATTER PB HE	'86	4	193
Bulk Mailing EKU Hasler	'83	7	180
Bulk Rate 1/2 cent on older meters	'61	1	79
Bulk Rate 2 3/4 cents in 1964 only	'64	1	92
Bulk Rate fractional die 7000	'68	2	117
Bulk Rate Hasler LA	'86	4	193
Bulk Rate meter prints new PB,CC	'63	1-2	86
Bulk Rate new values	'60	1-2	71
Bulk Rate PB Model 5300, Postalia	'68	1	116
Bulk Rate PB Model DM-2, DM-3	'62	1	80
Bulk Rate slugs PB S/W HA	'81	5	172-3
Bulk Rate slugs PB and Friden	'85	6	187-8
Bulk Rate slugs, PB, Friden, Postalia	'68	1-2	118
Bulk Rate unusual position PB	'86	4	191
Bulk Rate unusual prints	'64	3	96
Bulk Rate varieties, PB, Postla, CC	'64	1-2	93

Canada Dead Letter / Undeliverable	'79	6	166
Charity, Defense slogans	'52	1/3	38
Christmas Seals on meter slogans	'55	3	56
Christmas slogans	'49	1	17
Christmas slogans	'51	3	35
Cricket slogan	'86	2	195
Defaced directional slugs	'77	3	159
Defaced directional slugs	'78	3	161
Denmark US Bicentennial slogan	'77	7	160
Dircetional slugs defaced	'77	3	160
Directional slugs	'87	5	197
Directional slugs Hasler	'86	4	191
Directional slugs new	'77	2	160
Directional slugs new	'82	3	175
Directional slugs Postalia	'81	11	172-3
England birthplace of Walter Bowes	'66	3	109
Faster, Neater, Mailed by Meter	'66	4	109
Flight simulator slogans Link	'79	7	164
Insurance slogans	'49	4	15
Interesting slogans	'77	5	160
Inverted slogan Van Nuys, Calif	'80	3	169-70
Inverted slogans	'78	8	161
Inverted slugs	'82	4	176
Inverted surcharge S/W KA2-3	'85	9	187-8
Louisiana World Expo S/W HA4B	'85	5	187-8
Luther commemorative slogans	'83	2-3	181
Mailomat slogans	'52	1-4	44
Meter manufacturers ads on prints	'68	3	117
Misspelled "Carpinteria" slogan	'65	3	100
MSS WESTPEX '80 slogan	'79	15	167-8
Music-related meter slogans	'80	15	169-70
N.A.P.C. convention station	'82	4	177
New PB slugs	'83	4	179
Non-Profit slogans	'64	3	93
NON-PROFIT/ORGANIZATION Friden	'86	4	193
Nuclear / Atomic slogans	'86	6	192
Olympic slogan uses	'84	5-6	183
Olympic Slogans Friden	'88	9	201
Olympics '76	'77	4	158
Olympics '84 slogans	'84	10	185-6
Olympics Winter '80 meter list	'85	14	187-8
Olympics '88 slogans	'88	9	199
PARCEL POST O(HC)2	'86	4	193
PB advertising slugs	'80	14	169-70
PB DM revalued	'63	4	89
PB inverts own slogan	'81	4	172-3
PB Model 5314 non-profit / fraction	'62	2	83
Permit slug PB	'68	2	119
PD slogans	'50	2	23
Pony Express Wells Fargo	'86	4	192
Pony Express Wells Fargo list	'86	6-7	191
Pre-sorted first class	'77	2	159
Pre-sorted first class	'77	3	158
Pre-sorted first class	'77	3	160
Pre-sorted First Class examples	'82	3	176
Pre-sorted first class slugs	'76	1	155
Pre-sorted first class T-N	'79	2	165



Pre-sorted first class varieties	'82	4	178
Pre-sorted slug Los Angeles	'80	3	169-70
Pre-sorted slugs defective	'83	4-5	182
Printed Matter slugs, townmark	'81	9	174
Printed Matter slug PB	'79	3	166
Printed Matter slogans	'78	2	162
Prisoner mail slogan	'87	4	197
Rate Slogans	'88	5	201
Rate Slogans	'88	5	202
S/W DF4 BLK.RT. in townmark	'83	3	179
S/W HA12 CARRIER RT. PRESORT PB	'79	2	165
S/W HA4, 10, 12 slugs	'82	2	176
S/W HC5 fractional value in slug	'79	2	164
S/W HE7B new rate slogan PB	'86	5	195
S/W KB3A KB3C new slugs	'84	1	183
S/W O(KE)2B new slogans	'82	5	177
Sec. 34.65 (e) P.L.&R	'52	2	45
Sheet Music slogan	'77	1	157
Slogan errors	'72	3	143
Slogan examples	'56	4	58
Slogan Showcase auction lots	'88	9	202
Slogan Showcase bargains	'88	12	201
Slogan Showcase British autos	'86	8	191
Slogan Showcase contract station	'86	6	194
Slogan Showcase holiday	'87	15	198
Slogan Showcase horses	'86	5	192
Slogan Showcase Liberty	'86	11	193
Slogan Showcase Luther	'87	9	196
Slogan Showcase medical	'87	15	197
Slogan Showcase Olympic slogans	'84	10	185-6
Slogan Showcase rare and unusual	'85	10	190
Slogan Showcase sailing ships	'86	10	195
Slogan Showcase sweets	'88	11	200
Slogan Showcase war slogans	'88	7-8	199
Slogan Showcase World War II	'85	12	189
Slogan Showcase II ships	'88	12	200
Slogan tape of Meter Slogan Assoc.	'70	4	129
Slogans various	'49	1/4	16
Slogans various	'52	1-4	36
Slugs on new Hasler LA1 and LA2	'84	2	185-6
Slugs Presort, Return, Forwarding,	'85	3	190
Slugs unusual	'84	3-4	184
Small Packet	'77	2	159
Stars in Postalia slogan	'87	2	198
Supplements by handstamp	'64	3	93
Surcharge slugs	'77	2	157
Time slug -PM Seattle	'78	2	161
United Nations brief use of slogan	'77	7	160
United Nations slogans	'79	8-9	165
USPS PL&R Sec.34.83e, 34.84h	'78	2	163
USPS rules parcel post, 4th class	'79	2	165
Welcome Home Hostages PB slogan	'81	5	172-3
WESTPEX '79 slogan, meter	'79	7	164
Wordy slogans	'88	3	199
ZIP + 4 effective October '83	'83	2	179
ZIP + 4 in frame	'85	4	189
ZIP + 4 lost discount PB	'87	3	197
ZIP + 4 slugs PB	'84	2	183

