

**USEFUL
MATRIX
INFORMATION**



OCTOBER, 1937

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OCTOBER, 1937

MERGENTHALER LINOTYPE COMPANY

29 Ryerson Street, Brooklyn, N. Y.

NEW YORK CITY · CHICAGO · SAN FRANCISCO · NEW ORLEANS

CANADIAN LINOTYPE LIMITED, TORONTO

Representatives in the Principal Cities of the World

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Useful Matrix Information

The Mergenthaler Linotype Company carries in stock a full supply of matrices to meet the exacting demands of printers throughout the world. Matrices can be supplied for composition in over seventy different languages. With the great number of different characters to be supplied, the importance of giving careful attention to accuracy of detail in preparing orders will be appreciated.

Every possible facility is provided for the proper selection and ordering of matrices according to the style of face and the characters desired. Orders should be typewritten, preferably, and the name of the face given. One copy should be retained for reference.

MATRIX ORDER FORMS

Linotype matrix order forms are supplied in any quantity, free upon request. They should always be used in ordering matrices. This enables us to fill orders correctly and promptly.

Order forms can be supplied for regular characters, accents, fractions, logotypes and other special characters, border matrices and matrix slides, as well as for all foreign characters. Always use the correct type of order form. Use one sheet for each face and point size thereof.

It is important to know the Linotype model for which the matrices are intended, as well as the particular style of magazine used. This is necessary because various Linotype models differ in so far as milling of matrix lugs and magazine limitations are concerned.

FULL NAME OF FACE

The full name of the face should always be entered at the top of each order, thus

10 point Excelsior with Italic and Small Caps; or

10 point Excelsior with Bold Face No. 2; or

10 point Excelsior with Memphis Bold

We frequently receive orders, for example, 10 point Excelsior. As shown above, this face is made in various combinations, and in such cases it is difficult to fill the order correctly without asking for further information.

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TRIANGLE NUMBERS

The system of marking matrices is shown in the illustrations on page 6. The triangle is the trade-mark of the Mergenthaler Linotype Company. When uncertain of the correct name of face, matrices may be ordered according to the numerical marking on the side. The triangle number should always be entered on the matrix order form. Always copy the marking exactly, as, for instance, 10 Δ 386. Do not choose a matrix at random or take one from a pi tray to obtain the triangle marking. Select a lower case n from the face for which matrices are wanted; if figures are ordered select a figure 5. The reason for this is that reference characters, quads, leaders, special characters and fractions in some fonts bear markings different from the alphabet character.

ACCENTED CHARACTERS

The standard accents shown on pages 81 and 82 will be supplied with any standard face at the regular sorts price. Characters not shown can be made to order at a special price which will be quoted on request.

There are two ways to accommodate accents on Linotype matrices—low cap accents and high cap accents. It is the usual practice to supply the low cap form of accented character so as to avoid the use of a special mold. The character is slightly reduced so that the diacritical mark and the character will not exceed the normal height of the cap character.

When low cap accents are considered undesirable, we can supply high cap accents. The extra space required by this style of accent on a cap character of full height makes it necessary to change the aligning point of the mold so that the accent will cast flush on the smooth edge of the slug without trimming off. This makes it necessary to cast a given size on a body two points larger than standard up to 14 point and approximately 4 points larger than standard on display faces. The high cap accent mold can be used on regular composition with or without accents and the extra space above mentioned will appear on the smooth edge instead of the ribbed edge of the slug.

High cap accents cannot be cast in display faces larger than 32 point, as full 36 point body is required for the cap character and its accent. Where caps only are used, high cap accents can be cast in display faces up to 36 point.

FRACTIONS

In ordering fractions, always state whether they are to run in the regular channels of the magazine or as sorts. Unless otherwise specified, they will be furnished as sorts.

Also mention whether fractions are required on an em or en body. Unless otherwise ordered, they are all furnished on an em body.

SUPERIOR AND INFERIOR CHARACTERS

When these characters are ordered, a sample character should accompany the order. This will enable us to fill the order accurately.

SPECIAL CHARACTERS

Special characters are frequently ordered from our specimen books. These specimen books contain individual showings of Linotype faces, each bearing different publication dates. Since the advent of our Universal Classification in 1923, all character numbers as shown in the specimen books prior to the Universal Classification lists have been discontinued. Therefore, when ordering a special character by number the source from which the character number is taken should always be entered on the order under "Remarks."

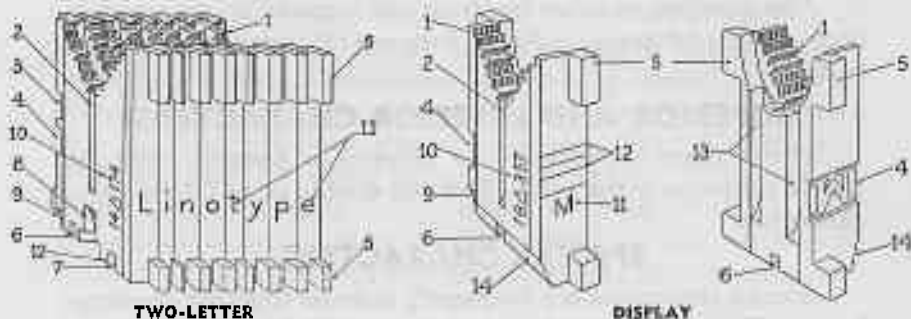
WHERE CHARACTERS WILL RUN

In the latter part of this booklet a complete list of display faces is given, together with the magazines in which they can be run, providing the standard keyboard layout is used. When display characters are ordered, these charts should always be consulted to see if the face will run in the magazine desired.

When characters are ordered to run in a magazine other than according to the standard layout, information should always be given as to where the displaced characters are to run. Attention is called to the fact that when a character runs in a different channel than standard, the character which is displaced must naturally be run in another location or sorts.

KEY TO MATRIX TERMS

In order that the terms and functions of various parts of a matrix may be readily understood, we present the diagrams shown below:



1. TEETH

Projections on the inside of the triangular opening at the top of the matrix. There are seven of these teeth on either side. The teeth which are left in are called the tooth combination. As the matrix travels along the distributor bar, it is supported by corresponding teeth on the bar. At a predetermined point, the teeth on the bar are cut away. The matrix, being no longer supported, drops through the channel entrance and to its proper place in the magazine. A matrix with all the teeth in is called a "pi" matrix, and passes all the combinations on the distributor bar, falling down the pi chute to the pi stacker.

2. BAR POINT SLOT

This is a slot projecting downward toward the bottom of the matrix. The object is to make all matrices of the same thickness at this one point. The slot registers with the projecting blade on the distributor box bar to prevent the lifting of two matrices at one time into the distributing screws.

3. REGULAR POSITION

This denotes the character in the regular or normal position of a two-letter matrix. Matrices from 4 to 24 point can be supplied with two characters. Above 24 point only one character can be used.

4. AUXILIARY POSITION

This denotes the character in the auxiliary or raised position. Characters on one-letter display matrices 16 to 60 point are also in the auxiliary position.

5. LUGS

These are sometimes called "ears." They are made to a certain thickness according to the magazine channel in which the matrix is to run. The lugs are the guiding points of the matrix throughout its travel. The lower lug (on the character side) determines the horizontal alignment of the character in the matrix, for this lug banks against the aligning groove in the mold body.

6. FONT SLOT

This is a small slot in the bottom of the matrix for use on single distributor machines. In conjunction with the automatic font distinguisher, it prevents wrong fonts from entering the magazine.

7. BRIDGE NOTCH

A slightly larger opening than the font slot. It is used in conjunction with the matrix bridge on multiple distributor Linotypes to permit the matrix to distribute to its proper magazine.

8. BEVEL NOTCH

A notch cut in matrices for Models such as 9, 16 and 17, and used to prevent two matrices from being lifted at one time into the distributor screws.

9. CLEARANCE CUT

This is a feature of Linotype matrices. It protects the side walls of matrices as they are assembled.

10. TRIANGLE NUMBER

The triangle is the trade-mark of the Mergenthaler Linotype Company. The number before the triangle indicates the point size of the matrix. The number after the

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triangle indicates the name of the matrix face. The entire marking should always be given when ordering matrices.

11. REFERENCE MARKING

These are characters punched in the reference side of the matrix to enable the operator to read the line of matrices as they are assembled.

12. FACE LINES

These are lines cut in the bottom of two-letter matrices (and on the reference side of display matrices) to identify the font. When matrices of a two-letter font are stacked in a sorts tray, the various lines match up and tell at a glance whether a wrong font matrix is present. With display faces, wrong font matrices can be detected in the sorts tray or the assembling elevator, since the face lines are on the reference side of the matrix.

13. LIGHTENING GROOVES

As the name implies, these grooves are cut in large matrices to lighten them. On extra large matrices a lightening hole is used instead of a slot.

14. BEVEL CUT

An angle cut used on larger matrices to permit proper distribution.

FIGURES

The largest figure which will run in regular figure channel of the standard 90-channel magazine is .1107 wide; in the 72-channel magazine, .2075; in the wide 72-channel magazine, .249; in the 28-channel auxiliary magazine, .218; in the 34-channel auxiliary magazine, .249 in left side and .221 in right side; in the wide 34-channel auxiliary magazine, .315 in left side and .311 in right side. The largest figure that will run in a 90-channel magazine according to the Advertising Figure Layout is .166. Size of figures in all faces is indicated in matrix data on all specimen sheets.

It is important to note the design of the three styles of figures available with old style faces: modern, old style, and modernized. The style desired should always be specified on supply orders and machine specifications.

MODERN FIGURES

1 2 3 4 5 6 7 8 9 0

Modern figures have a common alignment, that is, are all of the same height, and have the characteristics of modern type faces—square serifs, contrasting thick and thin strokes, and, in most cases, larger body per point size. They are not ordinarily used with old style faces.

OLD STYLE FIGURES

1 2 3 4 5 6 7 8 9 0

Old style figures have ascenders and descenders, and have the modeled serifs and tapering thick and thin strokes characteristic of old style type faces.

MODERNIZED FIGURES

1 2 3 4 5 6 7 8 9 0

Modernized figures are old style figures brought to a common alignment, with the shapes of the 1, 2 and 0 changed accordingly.

LEADERS

Leaders of various styles have been designed to meet the major requirements of the trade.

Regular Leaders.—Regular leaders match the weight of face with which they are used and cast type high. Furnished in round dot or hyphen style in two, four or six dots or strokes to the em.

Universal Leaders.—Universal leaders are for Book and Jobbing work. The weight of the dot or stroke is uniform in all point sizes regardless of the style of the face with which they are used. These leaders are .003 shallower than type high, so they will not punch through the paper in printing. Universal round dot leaders are furnished two, four and six dots to the em. Universal hyphen leaders are furnished in two and four strokes to the em.

Thin Leaders.—Thin leaders are used with either of the above styles for close justification when only one spaceband is used in the line. Available in quarter-em widths in round dot or hyphen style, 8, 10, 12 and 14 point sizes.

Newspaper Leaders.—The regular round dot or hyphen leader .005 shallower than type high to minimize punching through the paper. Furnished in two, four or six dots or strokes to the em.

Newspaper Radial Leaders.—Round dot style only, and are made with a rounded or radial printing surface to prevent perforating paper and damaging press blankets. .005 shallower than type high. Furnished in two dots to the em.

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Leader Aligning Dashes.—Cast a continuous unbroken line. Useful for jobbing work. Can be supplied in all standard alignments in uniform set-widths of 2, 3 and 12 points. Also available in en and em widths as substitutes for regular dot or hyphen leaders.

Jobbing Leaders.—Made in 6, 8, 10, 12 and 14 point alignments, two and four strokes, and on 6 and 12 point set-width only. The weight of the stroke and the set-width of the character is uniform in all point sizes.

POINT SYSTEM

Sizes of Type		Decimal Measurements of Bodies From 1 to 72 Point			
Excelsior	3 point	1.....	.01383	18.....	.249
Brilliant	4 point	2.....	.0277	20.....	.2766
Diamond	4½ point	3.....	.0415	22.....	.3044
Pearl	5 point	4.....	.0553	24.....	.332
Agate	5½ point	4½.....	.0622	26.....	.3596
Nonpareil	6 point	5.....	.0692	28.....	.3874
Minion	7 point	5½.....	.0761	30.....	.415
Brevier	8 point	6.....	.083	32.....	.4428
Bourgeois	9 point	7.....	.0968	34.....	.4703
Long Primer	10 point	8.....	.1107	36.....	.498
Small Pica	11 point	9.....	.1245	40.....	.5532
Pica	12 point	10.....	.1383	42.....	.581
English	14 point	11.....	.1522	48.....	.664
Thickness of Leads and Slugs		12.....	.166	54.....	.747
12 to Pica..	.01383	13.....	.1798	60.....	.830
10 to Pica..	.0166	14.....	.1937	66.....	.913
8 to Pica..	.0207	15.....	.2075	72.....	.996
6 to Pica..	.0277	16.....	.2214		
4 to Pica..	.0415				
2 to Pica..	.083				

Point System.—Prior to about 1886, each typefounder was a law unto himself in the matter of type standards. Brevier, for example, made by one foundry would not justify with brevier from another foundry. The pica "em" in use up to that time had been obtained by dividing an inch into six parts, equaling, decimally, $.166\frac{2}{3}$ ". When the present point system of the American Type Founders' Association was decided upon in 1886, the fraction was eliminated and a standard "pica" em adopted, measuring $.166$ ". This standard of measurement is used by the Mergenthaler Linotype Company, and one-twelfth of the pica, $.166$, equals one point, $.01383$. One-quarter of a point is the unit used in the manufacture of our matrices on the point-set system.

Didot System.—The Didot point measures $.01483$ of an inch. The Didot unit is the Cicero, which equals 12 corps, or $.178$ of an inch. The American (Linotype) unit is the pica em, measuring 12 point, or $.166$ of an inch. The Didot system of measurement is used in France and in most of the countries of continental Europe, and is commonly known as the French system.

Mediaan System.—The Mediaan point measures $.01374$ of an inch, and the Mediaan em or Cicero $.1649$ of an inch. This point system is used in Belgium. Mediaan height to paper is $.934$.

MATRIX BRIDGES FOR MODELS 25, 26 AND TWO-MAGAZINE MODELS 29 AND 30

The standard bridge-cutting of matrices for the above types of machines, unless otherwise specifically ordered, consists of three notches, comprising any between Nos. 2 and 7 inclusive, with the exception of the one carrying notches 5-6-7, which is not desirable. This cutting refers to the upper magazine only. Matrices for the lower main and auxiliary magazines will be unnotched unless otherwise ordered. Matrices for the upper auxiliary magazine will be cut with notches 2 to 7, inclusive, in order to drop on any bridge in use. A matrix with a combination which does not correspond with the bridge projections in use (also an unnotched matrix) will ride across the bridge, to the upper distributor box and into the lower magazine. The possible bridge combinations are listed below:

POINT SIZE OF MATRIX	BRIDGE NO.	BRIDGE NOTCHES	POINT SIZE OF MATRIX	BRIDGE NO.	BRIDGE NOTCHES	
5½, 9, 18, 36, 54	351	2-3-5	6, 6¾, 7, 10½, 11½, 12, 14, 21, 24, 28, 42, 48	365	4-5-6	
	358	2-5-7		366	2-5-6	
	361	3-5-7		368	2-4-6	
	363	2-4-5				
	364	3-5-6		4, 6½, 7½, 8, 10, 13, 16, 20, 27, 30, 32, 60	354	2-3-7
	365	4-5-6			355	2-4-7
	366	2-5-6			356	3-4-7
	369	4-5-7			357	3-6-7
	370	3-4-5			358	2-5-7
					359	2-6-7
		360	4-6-7			
		361	3-5-7			
		369	4-5-7			
			362		*2-3-4	
6, 6¾, 7, 10½, 11½, 12, 14, 21, 24, 28, 42, 48	352	2-3-6	5, 11, 22, 34			
	353	3-4-6				
	357	3-6-7				
	359	2-6-7				
	360	4-6-7				
	364	3-5-6				

*In addition to bridge No. 362, any of the bridges specified for the various point sizes can be used, except those having a No. 7 notch.

Note:— Every combination selected must include bridge notch corresponding to respective font slot of matrices, as indicated below:

FONT SLOT	CORRESPONDING BRIDGE NOTCH	FONT SLOT	CORRESPONDING BRIDGE NOTCH
5½, 9, 18, 36, 54 Point	5	4, 6½, 7½, 8, 10, 13, 16, 20, 27, 30, 32, 60 Point	7
6, 6¾, 7, 10½, 11½, 12, 14, 21, 24, 28, 42, 48 Point	6	5, 11, 22, 34 Point	8

MATRIX BRIDGE AND NOTCHES FOR FOUR-MAGAZINE MODELS 29 AND 30

The separation of matrices in the four-magazine mixer Models 29 and 30 is controlled by a single bridge projection which is positioned by an indicator dial. Since only two adjacent magazines can be in operating position at one time, it is merely necessary to position the single bridge projection to correspond to a notch in the matrices in the upper position, which notch does not appear in the matrices in the lower position. The matrices from the upper magazine will then drop on the bridge and pass to the upper magazine while the matrices from the lower magazine will ride across the bridge and pass to the lower magazine.

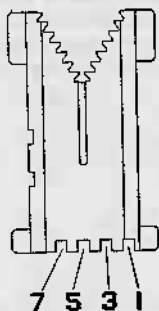
The location and size of the bridge notches for matrices to run in these models, is the same as for those used on Models 25 and 26. Only one notch is used for separation. The standard notching, unless otherwise specifically ordered, consists of three notches, comprising any between 2 and 7 inclusive.

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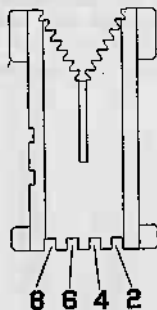
The font slot of Single Distributor matrices can also be used to separate matrices in these machines, by making use of a different portion of the indicator dial.

To use Model 9 matrices in these machines it is necessary to replace the indicator dial by one designed for use with Model 9 matrices.

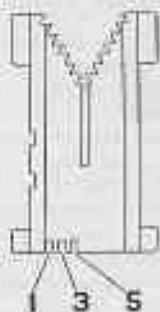
In order to identify the bridge notches and font slots cut in the bottom of matrices, full size reproductions of matrices are given below. These reproductions can be used as templates to determine the number of the notches or slots as an aid in positioning the single bridge projection.



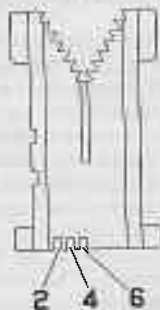
BRIDGE NOTCHES
Models 25, 26, 29 and 30



BRIDGE NOTCHES
Model 9



FONT SLOT
Used on single distributor
machine matrices



MATRIX BRIDGE AND NOTCHES (13)

The font slot numbers for various point sizes of single distributor matrices are as follows:

FONT SLOT NO.	POINT SIZES
1	5, 11, 22, 34
2	6½, 10, 13, 20, 26, 30, 60
3	4, 7½, 7¾, 8, 16, 27, 32
4	4¾, 6¾, 7, 11½, 14, 21, 28, 42
5	6, 10½, 12, 24, 48
6	5½, 9, 18, 36, 54

MATRIX BRIDGES FOR MODEL 9

Matrices on the Model 9 are separated in the primary distributor for the various magazines by means of small bridges having different combinations of projections.

All matrices used in the Model 9 must have the beveled notch, in addition to the bridge notches for separating fonts for the various magazines. All sorts matrices are supplied without bridge notches. These pass to the sorts stackers through the sorts tube.

The various bridge combinations are listed below:

BRIDGE		NOTCHES	BRIDGE		NOTCHES
OLD	NEW		OLD	NEW	
1	...	1-2-8	24	...	1-5-8
2	...	1-2-3	25	102	2-3-5
3	103	2-5-8	26	126	2-4-6
4	...	1-2-5	27	111	2-4-7
5	...	1-2-6	28	109	3-4-8
6	...	1-3-6	29	124	2-4-5
7	...	1-4-6	30	112	3-4-7
8	108	2-3-6	31	118	2-4-9
9	...	1-3-4	32	107	3-4-6
11	...	1-2-7	33	...	1-7-8
12	...	1-3-7	34	101	2-7-8
13	...	1-4-7	35	115	3-7-8
14	114	2-3-7	36	116	4-7-8
15	...	1-3-8	37	...	1-6-7
16	...	1-4-8	39	105	2-6-7
17	117	2-3-8	40	106	3-6-7
18	...	1-2-4	41	113	4-6-7
19	119	3-4-5	42	127	6-7-8
20	120	3-5-8	..	104	2-5-6
21	121	4-5-8	..	122	3-5-6
22	...	1-3-5	..	123	4-5-6
23	...	1-4-5	..	125	5-6-7

Note:—Every combination selected must include bridge notch corresponding to respective font slot of matrices, as indicated below:

FONT SLOT	CORRESPONDING BRIDGE NOTCH	FONT SLOT	CORRESPONDING BRIDGE NOTCH
5, 11, 22, 34 Point	8	4, 7½, 8, 16, 27, 32 Point	6
6, 6¾, 7, 10½, 11½, 12,	5	6½, 10, 13, 20, 30, 60 Point	7
14, 21, 24, 28, 42, 48 Point		5½, 9, 18, 36, 54 Point	Font Slot cut out by bevel

MATRIX TOOTH COMBINATIONS THEIR FUNCTION IN MATRIX DISTRIBUTION

The dictionary gives as one of the definitions of the word "matrix," "a mold in which printers' letters are cast." Immediately the matrix assumes a position of paramount importance to the printer, for he realizes, above all others, that the ultimate value of the printing process lies in the perfection of the type mold, or matrix. The printer, whatever his field of activity, restricted or general, has found a new joy in the beauty of the old designs and a new interest in the sparkle of the "moderns." All that is finest in typography has been made available to him in the form of the Linotype matrix, and with a distinct saving of his time and money. This saving has, in no small measure, been due to the elimination of the time-wasting methods of hand distribution.



Linotype matrix distribution is, in many ways, the most ingenious part of the whole machine. It has been achieved through the use of matrix tooth combinations, each character running in the magazine having its own particular combination. The term "tooth combination" refers to the teeth on the insides of the triangular opening at the top of the matrix. There are seven of these teeth on each side, and for convenience in referring to them, they are numbered from 1 to 7, as illustrated. The teeth on both sides are numbered alike, and, in cutting combinations, both of like number would be cut out or left in, as the case might be.

In conjunction with the tooth combinations there is a distributor bar, along which the matrices are carried by revolving screw action. When the combination of a given matrix arrives at and meshes with its complementary distributor bar segment, the matrix is released from the bar and falls by gravity into its respective magazine channel. That is the whole secret of Linotype distribution.

A matrix with all its teeth is called a "pi" matrix. It does not drop in any of the magazine channels, but is carried across the full length of the bar, and drops into a tube, through which it falls, by gravity, to the sorts stacker.

The primary function of the matrix teeth is, then, to direct the return of the matrix to the magazine channel assigned to it. A secondary function of the teeth is to provide the means for elevating the matrix to the distributing mechanism and guiding it on to the distributor bar.

In order to cause the matrices to drop into their respective channels, certain of the combination teeth must be removed. This is called "cutting the combination." By cutting away some of the teeth and leaving others in the matrix, it is possible to secure 126 different tooth combinations for controlling the distribution of a like number of different matrix characters to the channels of the main and auxiliary magazines. The standard Linotype magazine contains 91 channels, including an extra channel for lower case "e," and the wide auxiliary magazine 34 channels, to each of which is assigned a different combination of matrix teeth and a corresponding combination on the distributor bar.

In the charts the combinations are given for the channels of the various magazines. The figures given indicate the teeth that are left in the matrix, the others being cut out. The charts also give the number of each channel, from left to right, the lug channel size, and the character which usually runs in each channel.

TO SAFEGUARD MATRIX TEETH

To enable the matrix to travel from one position or transfer point to another with a maximum of smoothness and with a minimum of friction and resultant wear, the teeth must be perfectly proportioned with relation to the functions they are designed to perform. The teeth of the matrix, the teeth of the second elevator and distributor box bars, and the segments of the distributor bar are necessarily interdependent and inseparable in maintaining a perfectly coordinated distributing mechanism.

The matrix combination is sufficient under ordinary conditions to last for years. It is possible, however, to ruin a set of matrices in a very short time by burring or wearing out the combinations. The cause of the combinations becoming injured is invariably due to bad alignment at one or possibly all of the various transfers.

There are three of these transfers; that is to say, the matrices are transferred at three distinct points where the teeth are involved.

The first transfer is from the first elevator jaw to the second elevator bar at the intermediate channel. A matrix, when in position in the first elevator jaw at this transfer point, should line up with the bar so that you will have a perfect transfer on to the bar, without binding. There is a set screw at the bottom of the first elevator slide, on the right hand side, for raising or lowering the slide. The alignment of the first elevator jaw rails and the intermediate channel rails should be perfect. This will take care of the vertical alignment. Then, to take care of lateral alignment at the point where the matrix is supported by the first elevator jaw rails and is just sliding on to the second elevator bar, there is an intermediate channel front plate extension which, by means of screw bushings, makes it possible to move the second elevator bar either toward the front or the rear, as may be desirable to secure a true aligning condition of matrix teeth and bar. This is one of the most important adjustments from the standpoint of the matrix teeth. The second elevator bar should, of course, be perfectly smooth and free from burrs, as should be the other two bars along which the matrix must travel.

The second transfer is from the second elevator bar to the distributor box bar. The second elevator, when in its normal position, should be so adjusted that the second elevator bar will line up with the distributor box bar. This is a doweled factory setting and ordinarily should give no concern.

The third transfer is from the distributor box rails to the distributor bar. These rails should be perfectly square with one another. Place a matrix on the distributor box rails and raise up the outside distributor screw; turn the distributor screws slowly by hand and see that the matrix when supported on the distributor box rails will transfer freely on to the distributor bar. This adjustment is likewise factory-set. It does not shift under ordinary working conditions.

Perfect alignment should be maintained at all the above mentioned points. It is to the advantage of the Linotype user, in the interest of the long life of his matrices, to occasionally check these adjustments and to make any slight corrections that may be found necessary.

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TOOTH COMBINATION CHART
90-CHANNEL MAGAZINE

CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
0	.050	e 1st	2	46	.055	En Leader	5-6
1	.050	e	1-2	47	.040	Apostrophe	1-5-6
2	.050	t	3	48	.055	Asterisk	2-5-6
3	.060	a	1-3	49	.055	l	1-2-5-6
4	.050	o	2-3	50	.055	2	3-5-6
5	.040	i	1-2-3	51	.055	3	1-3-5-6
6	.060	n	4	52	.055	4	2-3-5-6
7	.050	s	1-4	53	.055	5	1-2-3-5-6
8	.060	h	2-4	54	.055	6	4-5-6
9	.050	r	1-2-4	55	.055	7	1-4-5-6
10	.060	d	3-4	56	.055	8	2-4-5-6
11	.040	l	1-3-4	57	.055	9	1-2-4-5-6
12	.070	u	2-3-4	58	.055	0	3-4-5-6
13	.060	c	1-2-3-4	59	.055	\$	1-3-4-5-6
14	.090	m	5	60	.100	Em Leader	2-3-4-5-6
15	.050	f	1-5	61	.090	E	1-2-3-4-5-6
16	.090	w	2-5	62	.080	T	7
17	.060	y	1-2-5	63	.090	A	1-7
18	.060	p	3-5	64	.080	O	2-7
19	.060	v	1-3-5	65	.060	I	1-2-7
20	.060	b	2-3-5	66	.090	N	3-7
21	.060	g	1-2-3-5	67	.070	S	1-3-7
22	.070	k	4-5	68	.100	H	2-3-7
23	.060	q	1-4-5	69	.090	R	1-2-3-7
24	.040	j	2-4-5	70	.090	D	4-7
25	.070	x	1-2-4-5	71	.080	L	1-4-7
26	.050	z	3-4-5	72	.090	U	2-4-7
27	.060	fi	1-3-4-5	73	.070	C	1-2-4-7
28	.060	fl	2-3-4-5	74	.100	M	3-4-7
29	.070	ff	1-2-3-4-5	75	.080	F	1-3-4-7
30	.090	ffi	6	76	.110	W	2-3-4-7
31	.090	ffi	1-6	77	.090	Y	1-2-3-4-7
32	.090	Em Space	2-6	78	.080	P	5-7
33	.040	Comma	1-2-6	79	.090	V	1-5-7
34	.040	Period	3-6	80	.080	B	2-5-7
35	.050	Colon	1-3-6	81	.080	G	1-2-5-7
36	.050	Semicolon	2-3-6	82	.090	K	3-5-7
37	.060	Interrogation	1-2-3-6	83	.080	Q	1-3-5-7
38	.055	Figure Space	4-6	84	.060	J	2-3-5-7
39	.040	l	1-4-6	85	.090	X	1-2-3-5-7
40	.040	Vertical Rule	2-4-6	86	.070	Z	4-5-7
41	.040	Front Quote	1-2-4-6	87	.090	œ or @	1-4-5-7
42	.050	Exclamation	3-4-6	88	.090	æ or lb	2-4-5-7
43	.040	Hyphen	1-3-4-6	89	.060	Ç	1-2-4-5-7
44	.040	Thin Space	2-3-4-6	90	.090	Em Dash	3-4-5-7
45	.040	)	1-2-3-4-6				

TOOTH COMBINATION CHART
72-CHANNEL AND WIDE 72-CHANNEL MAGAZINE

CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
0	.050	e 1st	2	10	.060	d	3-4
1	.050	e	1-2	11	.040	l	1-3-4
2	.050	t	3	12	.070	u	2-3-4
3	.060	a	1-3	13	.060	c	1-2-3-4
4	.050	o	2-3	14	.090	m	5
5	.040	i	1-2-3	15	.050	f	1-5
6	.060	n	4	16	.090	w	2-5
7	.050	s	1-4	17	.060	y	1-2-5
8	.060	h	2-4	18	.060	p	3-5
9	.050	r	1-2-4	19	.060	v	1-3-5

MATRIX TOOTH COMBINATIONS (17)

TOOTH COMBINATION CHART

72-CHANNEL AND WIDE 72-CHANNEL MAGAZINE—Continued

CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
20	.060	b	2-3-5	47	.060	I	1-2-7
21	.060	g	1-2-3-5	48	.090	N	3-7
22	.070	k	4-5	49	.070	S	1-3-7
23	.060	q	1-4-5	50	.100	H	2-3-7
24	.040	j	2-4-5	51	.090	R	1-2-3-7
25	.070	x	1-2-4-5	52	.090	D	4-7
26	.050	z	3-4-5	53	.080	L	1-4-7
27	.040	Comma	1-2-6	54	.090	U	2-4-7
28	.040	Period	3-6	55	.070	C	1-2-4-7
29	.050	Semicolon	2-3-6	56	.100	M	3-4-7
30	.090	Em Space	1-3-4-5	57	.080	F	1-3-4-7
31	.055	1	1-2-5-6	58	.110	W	2-3-4-7
32	.055	2	3-5-6	59	.090	Y	1-2-3-4-7
33	.055	3	1-3-5-6	60	.080	P	5-7
34	.055	4	2-3-5-6	61	.090	V	1-5-7
35	.055	5	1-2-3-5-6	62	.080	B	2-5-7
36	.055	Figure Space	4-6	63	.080	G	1-2-5-7
37	.055	6	4-5-6	64	.090	K	3-5-7
38	.055	7	1-4-5-6	65	.080	Q	1-3-5-7
39	.055	8	2-4-5-6	66	.060	J	2-3-5-7
40	.055	9	1-2-4-5-6	67	.090	X	1-2-3-5-7
41	.055	0	3-4-5-6	68	.070	Z	4-5-7
42	.040	Thin Space	2-3-4-6	69	.040	Hyphen	1-4-5-7
43	.090	E	1-2-3-4-5-6	70	.040	Thin Space	2-4-5-7
44	.080	T	7	71	.040	Apostrophe	1-2-4-5-7
45	.090	A	1-7	72	.055	\$	3-4-5-7
46	.080	O	2-7				

TOOTH COMBINATION CHART

55-CHANNEL ARRANGEMENT OF 72-CHANNEL MAGAZINE

CHAN. NO.	CHAN. SIZE	72-CHAN. CHAR.	55-CHAN. CHAR.	TEETH IN COMBINATION
0	.050	e 1st	o	2
1	.050	e		1-2
2	.050	t	o	3
3	.060	a		1-3
4	.050	o	o	2-3
5	.040	i	f	1-2-3
6	.060	n	Figure Space	4
7	.050	s		1-4
8	.060	h	A	2-4
9	.050	r		1-2-4
10	.060	d	o	3-4
11	.040	l	Thin Space	1-3-4
12	.070	u	n	2-3-4
13	.060	c	i	1-2-3-4
14	.090	m	h	5
15	.050	f	d	1-5
16	.090	w		2-5
17	.060	y	B	1-2-5
18	.060	p	N	3-5
19	.060	v		1-3-5
20	.060	b	c	2-3-5
21	.060	g	w	1-2-3-5
22	.070	k		4-5
23	.060	q	b	1-4-5
24	.040	j	y	2-4-5
25	.070	x		1-2-4-5
26	.050	z	g	3-4-5
27	.040	Comma	Comma	1-2-6
28	.040	Period		3-6

(18) USEFUL MATRIX INFORMATION

TOOTH COMBINATION CHART

55-CHANNEL ARRANGEMENT OF 72-CHANNEL MAGAZINE—Continued

CHAN. NO.	CHAN. SIZE	72-CHAN. CHAR.	55-CHAN. CHAR.	TEETH IN COMBINATION
29	.050	Semicolon	z	2-3-6
30	.090	Em Space	Y	1-3-4-5
31	.055	1	S	1-2-5-6
32	.055	2	q	3-5-6
33	.055	3	Period	1-3-5-6
34	.055	4	E	2-3-5-6
35	.055	5		1-2-3-5-6
36	.055	Figure Space	C	4-6
37	.055	6	x	4-5-6
38	.055	7	G	1-4-5-6
39	.055	8		2-4-5-6
40	.055	9	T	1-2-4-5-6
41	.055	0		3-4-5-6
42	.040	Thin Space	t	2-3-4-6
43	.090	E	M	1-2-3-4-5-6
44	.080	T		7
45	.090	A	p	1-7
46	.080	O	k	2-7
47	.060	I	r	1-2-7
48	.090	N	H	3-7
49	.070	S		1-3-7
50	.100	H	Q	2-3-7
51	.090	R	s	1-2-3-7
52	.090	D	K	4-7
53	.080	L	Hyphen	1-4-7
54	.090	U	Y	2-4-7
55	.070	C	i	1-2-4-7
56	.100	M	m	3-4-7
57	.080	F	J	1-3-4-7
58	.110	W	D	2-3-4-7
59	.090	Y	V	1-2-3-4-7
60	.080	P	F	5-7
61	.090	V	J	1-5-7
62	.080	B	W	2-5-7
63	.080	G		1-2-5-7
64	.090	K	L	3-5-7
65	.080	Q	u	1-3-5-7
66	.060	J	P	2-3-5-7
67	.090	X		1-2-3-5-7
68	.070	Z	R	4-5-7
69	.040	Hyphen	i	1-4-5-7
70	.040	Thin Space		2-4-5-7
71	.040	Apostrophe	U	1-2-4-5-7
72	.055	\$		3-4-5-7

TOOTH COMBINATION CHART

COMMERCIAL FRACTIONS

90-Channel Magazine, Diagram No. 2 or 11

When commercial fractions are run in the magazine they usually displace other characters, as follows:

CHAR.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION	CHAR.	CHAN. SIZE	TEETH IN COMBINATION
1/8	ffi	.090	6	5/8	Z	4-5-7
1/4	ffl	.090	1-6	3/4	tb	2-4-5-7
3/8	Interrogation	.060	1-2-3-6	7/8	&	1-2-4-5-7
1/2	Asterisk	.055	2-5-6			

TOOTH COMBINATION CHART
28-CHANNEL AUXILIARY MAGAZINE

CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
1	.070	A	1-3-4-5-7	15	.070	K	3-4-6-7
2	.070	O	1-2-3-4-5-7	16	.070	Y	2-3-4-6-7
3	.070	H	6-7	17	.070	E	1-3-4-6-7
4	.070	V	1-6-7	18	.070	S	1-2-3-4-6-7
5	.070	B	2-6-7	19	.070	L	5-6-7
6	.070	P	1-2-6-7	20	.070	Z	1-5-6-7
7	.070	I	3-6-7	21	.070	F	2-5-6-7
8	.070	W	1-3-6-7	22	.070	T	1-2-5-6-7
9	.070	C	2-3-6-7	23	.070	M	3-5-6-7
10	.070	Q	1-2-3-6-7	24	.070	Period	2-3-5-6-7
11	.070	J	4-6-7	25	.070	G	1-3-5-6-7
12	.070	X	1-4-6-7	26	.070	U	1-2-3-5-6-7
13	.070	D	2-4-6-7	27	.070	N	4-5-6-7
14	.070	R	1-2-4-6-7	28	.070	Comma	1-4-5-6-7

34-CHANNEL AUXILIARY MAGAZINE

CHAN. NO.	*CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	*CHAN. SIZE	CHAR.	TEETH IN COMBINATION
1	.055	1	2-3-4-5-7	18	.050	S	1-3-4-6-7
2	.055	2	1-3-4-5-7	19	.060	H	1-2-3-4-6-7
3	.050	3	1-2-3-4-5-7	20	.050	R	5-6-7
4	.040	4	6-7	21	.060	D	1-5-6-7
5	.040	5	1-6-7	22	.040	L	2-5-6-7
6	.050	6	2-6-7	23	.070	U	1-2-5-6-7
7	.055	7	1-2-6-7	24	.060	C	3-5-6-7
8	.055	8	3-6-7	25	.090	M	2-3-5-6-7
9	.055	9	1-3-6-7	26	.050	F	1-3-5-6-7
10	.055	0	2-3-6-7	27	.090	W	1-2-3-5-6-7
11	.055	Em Sp.	1-2-3-6-7	28	.060	Y	4-5-6-7
12	.050	E	4-6-7	29	.060	P	1-4-5-6-7
13	.050	T	1-4-6-7	30	.060	V	2-4-5-6-7
14	.060	A	2-4-6-7	31	.060	B	1-2-4-5-6-7
15	.050	O	1-2-4-6-7	32	.060	G	3-4-5-6-7
16	.040	I	3-4-6-7	33	.070	K	2-3-4-5-6-7
17	.060	N	2-3-4-6-7	34	.040	J	1-3-4-5-6-7

*Also for Wide 34-Channel Auxiliary Magazine with narrow lug channels.

WIDE 34-CHANNEL AUXILIARY MAGAZINE

CHAN. NO.	CHAN. SIZE	*CHAN. SIZE	CHAR.	TEETH IN COMBINATION	CHAN. NO.	CHAN. SIZE	CHAR.	TEETH IN COMBINATION
1	.055	.090	1	2-3-4-5-7	18	.070	S	1-3-4-6-7
2	.055	.090	2	1-3-4-5-7	19	.100	H	1-2-3-4-6-7
3	.050	.090	3	1-2-3-4-5-7	20	.090	R	5-6-7
4	.040	.090	4	6-7	21	.090	D	1-5-6-7
5	.040	.090	5	1-6-7	22	.080	L	2-5-6-7
6	.050	.090	6	2-6-7	23	.090	U	1-2-5-6-7
7	.055	.090	7	1-2-6-7	24	.070	C	3-5-6-7
8	.055	.090	8	3-6-7	25	.100	M	2-3-5-6-7
9	.055	.090	9	1-3-6-7	26	.080	F	1-3-5-6-7
10	.055	.090	0	2-3-6-7	27	.100	W	1-2-3-5-6-7
11	.055	.090	Em Sp.	1-2-3-6-7	28	.090	Y	4-5-6-7
12	.090		E	4-6-7	29	.080	P	1-4-5-6-7
13	.080		T	1-4-6-7	30	.090	V	2-4-5-6-7
14	.090		A	2-4-6-7	31	.080	B	1-2-4-5-6-7
15	.080		O	1-2-4-6-7	32	.080	G	3-4-5-6-7
16	.060		I	3-4-6-7	33	.090	K	2-3-4-5-6-7
17	.090		N	2-3-4-6-7	34	.060	J	1-3-4-5-6-7

*For Wide 34-Channel Auxiliary Magazine used on Model 28 and on other models where large display faces are to be used exclusively.

TOOTH COMBINATION CHART

ADVERTISING FIGURES

90-Channel Magazine
Diagram No. 32

CHAR.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION
1	fl	.060	2-3-4-5
2	ffi	.090	6
3	ffi	.090	1-6
4	Interrogation	.060	1-2-3-6
5	Vertical Rule	.040	2-4-6
6	Asterisk	.055	2-5-6
7	X	.090	1-2-3-5-7
8	Z	.070	4-5-7
9	@	.090	1-4-5-7
0	ib	.090	2-4-5-7
\$	Exclamation	.050	3-4-6
Period	(	.040	1-4-6
Comma	)	.040	1-2-3-4-6
#	&	.060	1-2-4-5-7

34-Channel Auxiliary Magazine
Diagram No. 51A (Two Sets of Figures)

CHAR.	CHAN.	*CHAN. SIZE	TEETH IN COMBINATION
1	1	.055	2-3-4-5-7
2	2	.055	1-3-4-5-7
3	3	.050	1-2-3-4-5-7
4	4	.040	6-7
5	5	.040	1-6-7
6	6	.050	2-6-7
7	7	.055	1-2-6-7
8	8	.055	3-6-7
9	9	.055	1-3-6-7
0	0	.055	2-3-6-7
Period	E	.050	4-6-7
Comma	T	.050	1-4-6-7
\$	A	.060	2-4-6-7
#	O	.050	1-2-4-6-7
1	C	.060	3-5-6-7
2	M	.090	2-3-5-6-7
3	F	.050	1-3-5-6-7
4	W	.090	1-2-3-5-6-7
5	Y	.060	4-5-6-7
6	P	.060	1-4-5-6-7
7	V	.060	2-4-5-6-7
8	B	.060	1-2-4-5-6-7

34-Channel Auxiliary Magazine

CHAR.	CHAN.	*CHAN. SIZE	TEETH IN COMBINATION
9	G	.060	3-4-5-6-7
0	K	.070	2-3-4-5-6-7
Period	R	.050	5-6-7
Comma	D	.060	1-5-6-7
\$	L	.040	2-5-6-7
#	U	.070	1-2-5-6-7

*Also for Wide 34-Channel Auxiliary Magazine with narrow lug channels.

28-Channel Auxiliary Magazine
Diagram No. 96 (Two Sets of Figures)

CHAR.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION
1	A	.070	1-3-4-5-7
2	B	.070	2-6-7
3	C	.070	2-3-6-7
4	D	.070	2-4-6-7
5	E	.070	1-3-4-6-7
6	F	.070	2-5-6-7
7	G	.070	1-3-5-6-7
8	H	.070	6-7
9	I	.070	3-6-7
0	J	.070	4-6-7
Period	K	.070	3-4-6-7
Comma	L	.070	5-6-7
\$	M	.070	3-5-6-7
#	N	.070	4-5-6-7
1	O	.070	1-2-3-4-5-7
2	P	.070	1-2-6-7
3	Q	.070	1-2-3-6-7
4	R	.070	1-2-4-6-7
5	S	.070	1-2-3-4-6-7
6	T	.070	1-2-5-6-7
7	U	.070	1-2-3-5-6-7
8	V	.070	1-6-7
9	W	.070	1-3-6-7
0	X	.070	1-4-6-7
Period	Y	.070	2-3-4-6-7
Comma	Z	.070	1-5-6-7
\$	Period	.070	2-3-5-6-7
#	Comma	.070	1-4-5-6-7

34-CHANNEL WIDE AUXILIARY MAGAZINE
Diagram No. 51A (Two Sets of Figures)

CHAR.	CHAN.	CHAN. SIZE	†CHAN. SIZE	TEETH IN COMBINATION	CHAR.	CHAN.	CHAN. SIZE	TEETH IN COMBINATION
1	1	.055	.090	2-3-4-5-7	1	C	.070	3-5-6-7
2	2	.055	.090	1-3-4-5-7	2	M	.100	2-3-5-6-7
3	3	.050	.090	1-2-3-4-5-7	3	F	.080	1-3-5-6-7
4	4	.040	.090	6-7	4	W	.100	1-2-3-5-6-7
5	5	.040	.090	1-6-7	5	Y	.090	4-5-6-7
6	6	.050	.090	2-6-7	6	P	.080	1-4-5-6-7
7	7	.055	.090	1-2-6-7	7	V	.090	2-4-5-6-7
8	8	.055	.090	3-6-7	8	B	.080	1-2-4-5-6-7
9	9	.055	.090	1-3-6-7	9	G	.080	3-4-5-6-7
0	0	.055	.090	2-3-6-7	0	K	.090	2-3-4-5-6-7
Period	E	.090	.090	4-6-7	Period	R	.090	5-6-7
Comma	T	.080	.090	1-4-6-7	Comma	D	.090	1-5-6-7
\$	A	.090	.090	2-4-6-7	\$	L	.080	2-5-6-7
#	O	.080	.090	1-2-4-6-7	#	U	.090	1-2-5-6-7

†For Wide 34-Channel Auxiliary Magazine used on Model 28 and on other models where large display faces are to be used exclusively.

Face Identification Numbers

Matrices are marked on the sides for the purpose of easy identification as follows: 6Δ8, 6Δ9, 8Δ12, etc. The triangle is a trade-mark and has nothing whatever to do with the identification of the font and face. The figure on the left of the triangle indicates the point size and the figure on the right indicates the name of the face and not its number. Thus, for instance, 10Δ8 does not mean 10 point No. 8, but 10 point Caslon with Italic and Small Caps; 8Δ12 does not mean 8 point No. 12 but, 8 point Cheltenham with Italic and Small Caps. These reference marks will be found convenient for ordering sorts for fonts already in use. If in doubt when ordering sorts, send a sample, lower-case "n," with order.

ONE-LETTER

5½ POINT

TRIANGLE NO.

NAME OF FACE

- 5½ Δ 1 Borders
5½ Δ 17 Bold Face No. 1, Depressed

6 POINT

- 6 Δ 1 Borders
6 Δ 17 Hebrew
6 Δ 43 Greek No. 1 (Part Font)
6 Δ 45 Bold Face No. 3, Figures
6 Δ 49 No. 2 Vertical Slug Table Mats
6 Δ 53 Gothic Condensed No. 2
6 Δ 57 Bold Face No. 1, Figures
6 Δ 59 Gothic No. 3, Figures
6 Δ 97 Gothic Condensed No. 4
6 Δ 123 Gothic Condensed No. 2 (Vertical Slug) Caps
6 Δ 125 Gothic No. 16, Figures

7 POINT

- 7 Δ 27 Bold Face No. 3, Figures
7 Δ 31 Bold Face No. 1, Figures
7 Δ 43 Gothic Condensed No. 1 (Figures)
7 Δ 51 Borders
7 Δ 61 Gothic No. 13 (6 point slug) Caps only

8 POINT

- 8 Δ 1 Borders
8 Δ 21 Greek No. 1 (High Alignment)
8 Δ 39 Gothic Condensed No. 2
8 Δ 59 Celtic No. 1
8 Δ 69 Gothic Condensed No. 1
8 Δ 71 Hebrew
8 Δ 87 Greek No. 1
8 Δ 101 Russian Church
8 Δ 105 Bold Face No. 6, Figures
8 Δ 133 Bold Face No. 9, Figures

(22) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
8Δ151	Lino Text
8Δ157	Gothic No. 41, Figures
8Δ159	Gothic No. 16, Figures

9 POINT

9Δ23	Borders
9Δ29	Hebrew No. 2
9Δ31	Modern Hebrew

10 POINT

10Δ1	Borders
10Δ19	German No. 2
10Δ23	Greek No. 1
10Δ41	Gothic Condensed No. 2
10Δ69	Gothic Condensed No. 1
10Δ75	Bold Face No. 3, Figures
10Δ91	Caslon Text
10Δ101	Condensed Outline
10Δ103	Bold Face No. 6, Figures
10Δ115	Gothic No. 38
10Δ123	Narciss
10Δ125	Lino Text
10Δ131	Card Italic
10Δ137	Gothic Condensed No. 2 (Vertical Slug) Caps
10Δ139	Gothic No. 16
10Δ143	Gothic No. 41, Figures

11 POINT

11Δ17	Gothic Condensed No. 1
11Δ31	Bold Face No. 3, Figures
11Δ37	Hebrew No. 2
11Δ45	Russian Church
11Δ49	Hebrew No. 2 (10 point Alignment) Special for English
11Δ51	Hebrew No. 2 (12 point Alignment) Special for English

12 POINT

12Δ13	Gothic Condensed No. 1
12Δ17	Gothic Condensed No. 2
12Δ29	Caslon Text
12Δ41	Greek No. 1 (Part Font)
12Δ53	Bold Face No. 3, Figures
12Δ65	Gothic No. 18
12Δ69	Condensed Outline
12Δ75	Bold Face No. 6, Figures
12Δ79	Hebrew
12Δ81	Hebrew Condensed
12Δ85	Borders
12Δ105	Jacobite
12Δ109	Lino Text
12Δ121	Nestorian
12Δ127	Narciss
12Δ129	Gothic No. 38
12Δ141	Card Italic
12Δ153	Gothic Condensed No. 2 (Vertical Slug), Caps

TRIANGLE NO. NAME OF FACE

- 12Δ 157 Devanagari
 12Δ 163 Gothic No. 16
 12Δ 167 Gothic No. 41, Figures
 12Δ 169 Gujarati
 12Δ 175 Porson Greek

14 POINT

- 14Δ 3 Gothic Condensed No. 2
 14Δ 5 Gothic Condensed No. 1
 14Δ 7 Century Bold, Roman, Advertising Figures
 14Δ 9 Gothic No. 16, Advertising Figures
 14Δ 11 Mid Gothic, Advertising Figures
 14Δ 13 Cheltenham Bold, Advertising Figures
 14Δ 33 Gothic No. 18
 14Δ 39 Cheltenham Bold Condensed, Advertising Figures
 14Δ 43 Cheltenham Bold Extra Condensed
 14Δ 61 Gothic No. 13, Advertising Figures
 14Δ 63 Cheltenham Italic, Advertising Figures
 14Δ 65 Bold Face No. 6, Advertising Figures
 14Δ 67 Arabic
 14Δ 77 Gothic Relief, Cap Font
 14Δ 79 Russian Church
 14Δ 83 Arabic Bold
 14Δ 85 Narciss
 14Δ 87 Gothic No. 38
 14Δ 89 Arabic Old Style
 14Δ 91 Arabic Bold Old Style
 14Δ 95 Lino Text
 14Δ 97 Card Italic
 14Δ 103 Borders
 14Δ 117 Caslon Bold Condensed
 14Δ 119 Gothic No. 16
 14Δ 121 Gothic No. 41, Figures
 14Δ 129 Memphis Bold, Advertising Figures
 14Δ 131 Cheltenham Bold Condensed, Vertical Slug, Cap Font

TWO-LETTER**4 POINT**

- 4Δ 2 Century Expanded with Gothic No. 16

4¾ POINT

- 4¾ Δ 2 No. 6 with Gothic 16

5 POINT

- 5Δ 2 No. 10 with Gothic No. 4
 5Δ 4 No. 1 with Gothic Condensed No. 1, Figures
 5Δ 6 Special Gothic No. 9 D. C., Figures
 5Δ 8 No. 10 with Italic and Small Caps
 5Δ 10 Gothic No. 9 D. C., Figures
 5Δ 14 No. 22 with Special Gothic No. 9, Figures
 5Δ 18 No. 18 with Antique Black No. 1
 5Δ 20 Old Style No. 1 with Cheltenham Bold
 5Δ 24 Ionic No. 5 with Bold Face No. 2

(24) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
5Δ26	Ionic No. 5 with Italic and Small Caps
5Δ28	Caslon No. 3 with Italic and Small Caps
5Δ30	Old Style No. 1 with Italic and Small Caps
5Δ32	Excelsior with Bold Face No. 2
5Δ34	Hebrew Light and Bold
5Δ36	Excelsior with Gothic No. 3
5Δ38	Caslon Bold with Italic

5 1/2 POINT

5 1/2 Δ 2	No. 2 with Bold Face No. 2
5 1/2 Δ 4	No. 1 with Italic and Small Caps
5 1/2 Δ 8	No. 1 with Clarendon No. 1
5 1/2 Δ 10	No. 1 with Bold Face No. 1, Figures
5 1/2 Δ 12	No. 1 with Bold Face No. 2, Figures
5 1/2 Δ 24	No. 11 with Gothic Condensed No. 4
5 1/2 Δ 26	No. 3 Figures, duplicate character
5 1/2 Δ 28	Gothic No. 17 with Bold Face No. 2, Figures
5 1/2 Δ 32	No. 4 with Bold Face No. 2 Condensed
5 1/2 Δ 36	No. 2B with Bold Face No. 2B
5 1/2 Δ 38	Special Gothic No. 9, Figures, duplicate character
5 1/2 Δ 42	Ionic No. 5 with Bold Face No. 2
5 1/2 Δ 44	Ionic No. 5 with Italic and Small Caps
5 1/2 Δ 48	Excelsior with Bold Face No. 2
5 1/2 Δ 50	Excelsior with Italic and Small Caps
5 1/2 Δ 52	Teletype Ionic No. 5 with Bold Face No. 2
5 1/2 Δ 54	Excelsior with Gothic No. 3
5 1/2 Δ 62	Teletype Excelsior with Bold Face No. 2
5 1/2 Δ 64	Ionic No. 5 with Gothic No. 16
5 1/2 Δ 66	Paragon with Paragon Bold

6 POINT

6Δ2	No. 1 with Italic and Small Caps
6Δ4	No. 2 with Italic and Small Caps
6Δ6	No. 2 with Gothic No. 3
6Δ8	Old Style No. 1 with Italic and Small Caps
6Δ12	No. 1 with Bold Face No. 2
6Δ14	Old Style No. 1 with Antique No. 1
6Δ16	Ronaldson with Italic and Small Caps
6Δ18	German No. 3 with Bold Face No. 2
6Δ20	Classic with Italic and Small Caps
6Δ24	De Vinne with Italic and Small Caps
6Δ28	De Vinne with Antique No. 3
6Δ30	Ronaldson with Antique No. 1
6Δ32	No. 12 with Gothic No. 8
6Δ36	No. 1 with Gothic No. 2, Figures
6Δ38	No. 12 Figures with Old Style Small Caps
6Δ42	Century Expanded with Italic and Small Caps
6Δ44	De Vinne with Gothic No. 7, Figures
6Δ46	No. 1 with Bold Face No. 1, Figures
6Δ48	No. 1 with Clarendon No. 1, Figures
6Δ50	No. 2 with Antique No. 2
6Δ56	No. 2 with Gothic No. 6 (Vertical Slug) Table Matrices
6Δ58	Russian No. 8 with Italic

TRIANGLE NO.	NAME OF FACE
6Δ62	No. 16 with Italic and Small Caps
6Δ70	No. 2 with Bold Face No. 1
6Δ74	No. 28 with Antique Black No. 1
6Δ76	No. 10 with Gothic No. 4
6Δ82	No. 2 with Gothic Condensed No. 2, Figures
6Δ86	Original Old Style with Italic and Small Caps
6Δ88	No. 21 with Antique No. 6, Figures
6Δ90	Old Style No. 1 with Title No. 1
6Δ92	Ronaldson with Title No. 1
6Δ94	Century Expanded with Century Bold
6Δ96	Scotch with Italic and Small Caps
6Δ98	Antique No. 1 with Italic
6Δ100	No. 1 with Gothic No. 8, Figures
6Δ102	Old Style No. 3 with Italic and Small Caps
6Δ110	No. 16 with Century Bold
6Δ112	Old Style No. 1 with Title No. 2
6Δ114	Ronaldson with Title No. 2
6Δ116	Special Gothic No. 9 Figures, duplicate character
6Δ118	No. 2 with Condensed Title No. 3
6Δ120	No. 11 with Gothic Condensed No. 4
6Δ122	No. 8 with Bold Face No. 2
6Δ124	Old Style No. 1 with Cheltenham Bold
6Δ128	Ronaldson with Cheltenham Bold
6Δ132	No. 17 with Condensed Title No. 5
6Δ150	No. 21 with Italic and Small Caps
6Δ152	Servian No. 8 with Italic
6Δ154	No. 2 D. C. Vertical Slug Table Matrices
6Δ156	Bodoni Bold with Italic
6Δ158	Bodoni with Italic and Small Caps
6Δ160	Caslon No. 3 with Italic and Small Caps
6Δ162	Cheltenham Bold with Italic
6Δ164	Gothic No. 25A with 6 point Gothic Condensed No. 2, Caps and Figures
6Δ166	Gothic No. 25B with 8 point Gothic Condensed No. 2, Caps and Figures
6Δ168	Gothic No. 25C with 6 point Gothic No. 26C, Caps and Figures
6Δ170	Gothic No. 25 with 6 point Gothic No. 26, Caps and Figures
6Δ172	Century Expanded with Cheltenham Bold
6Δ174	Greek No. 3
6Δ176	No. 11B with Gothic Condensed No. 4B
6Δ180	Cheltenham Wide with Cheltenham Bold
6Δ184	Borders
6Δ186	No. 2 with Bold Face No. 2
6Δ188	Armenian No. 1 with No. 2
6Δ192	Bodoni Book with Italic and Small Caps
6Δ194	Old Style No. 7 with Italic and Small Caps
6Δ200	Ronaldson No. 7 with Italic and Small Caps
6Δ202	Caslon No. 2 with Italic and Small Caps
6Δ204	Gothic No. 29 with Gothic No. 30, Caps and Figures
6Δ206	Gothic No. 29C with Gothic No. 30C, Caps and Figures
6Δ208	Gothic No. 29B with Gothic No. 30B, Caps and Figures
6Δ210	Gothic No. 29A with Gothic No. 30A, Caps and Figures
6Δ212	Bold Face No. 9 with Gothic No. 31, Caps and Figures
6Δ214	Bold Face No. 9C with Gothic No. 31C, Caps and Figures
6Δ216	Bold Face No. 9B with Gothic No. 31B, Caps and Figures

(26) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
6Δ218	Bold Face No. 9A with Gothic No. 31A, Caps and Figures
6Δ220	Elzevir No. 3 with Italic and Small Caps
6Δ222	No. 1 with Gothic No. 3, Figures, Hebrew alignment
6Δ224	Caslon Old Face with Italic and Small Caps
6Δ226	Royal Gothic Figures, duplicate character
6Δ228	Franklin Old Style with Italic and Small Caps
6Δ232	Cheltenham Bold Condensed with Italic
6Δ236	Gothic No. 32 with Gothic No. 33, Caps and Figures
6Δ238	Gothic No. 32A with Gothic No. 33A, Caps and Figures
6Δ240	Gothic No. 32B with Gothic No. 33B, Caps and Figures
6Δ242	Gothic No. 32C with Gothic No. 33C, Caps and Figures
6Δ244	Benedictine with Italic and Small Caps
6Δ248	Gothic No. 31 with Gothic No. 33, Caps and Figures
6Δ250	Benedictine Book with Italic and Small Caps
6Δ252	Gothic No. 31A with Gothic No. 33A, Caps and Figures
6Δ254	Gothic No. 31B with Gothic No. 33B, Caps and Figures
6Δ256	Gothic No. 31 with Gothic No. 32, Caps and Figures
6Δ258	Gothic No. 31A with Gothic No. 32A, Caps and Figures
6Δ260	Gothic No. 31B with Gothic No. 32B, Caps and Figures
6Δ262	Gothic No. 31C with Gothic No. 32C, Caps and Figures
6Δ264	Benedictine Book with Benedictine
6Δ268	Cloister Bold with Italic
6Δ270	Gothic No. 31C with Gothic No. 33C, Caps and Figures
6Δ274	Garamond with Italic and Small Caps
6Δ276	Cloister Wide with Cloister Bold
6Δ280	Cloister with Italic and Small Caps
6Δ286	Garamond Bold with Italic
6Δ288	Ionic No. 5 with Bold Face No. 2
6Δ290	Hebrew with Italic
6Δ296	Textype with Bold Face No. 2
6Δ298	Metroblack with Metrolite
6Δ300	Metromedium with Metrothin
6Δ302	Ionic No.5 with Italic and Small Caps
6Δ304	Textype with Italic and Small Caps
6Δ306	Granjon with Granjon Bold
6Δ310	Metroblack No. 2 with Metrolite No. 2
6Δ312	Metromedium No. 2 with Metrothin No. 2
6Δ314	Excelsior with Bold Face No. 2
6Δ320	Excelsior with Italic and Small Caps
6Δ322	Memphis Light and Bold
6Δ324	Teletype Excelsior with Gothic No. 3
6Δ326	Memphis Medium with Italic
6Δ364	Memphis Bold with Italic
6Δ366	Excelsior with Gothic No. 3
6Δ368	Memphis Light with Italic
6Δ372	Granjon with Italic and Small Caps
6Δ374	Teletype Excelsior with Bold Face No. 2
6Δ376	Lining Metromedium with Lining Metrothin, Caps and Figures
6Δ378	Lining Metromedium A with Lining Metrothin A, Caps and Figures
6Δ380	Lining Metromedium B with Lining Metrothin B, Caps and Figures
6Δ382	Lining Memphis Light with Lining Memphis Bold, Caps and Figures
6Δ384	Lining Memphis Light A with Lining Memphis Bold A, Caps and Figures
6Δ386	Lining Memphis Light B with Lining Memphis Bold B, Caps and Figures

TRIANGLE NO.	NAME OF FACE
6Δ388	Paragon with Paragon Bold
6Δ390	Paragon with Italic and Small Caps
6Δ392	Metromedium No. 2 with Italic
6Δ394	Bookman with Italic and Small Caps
6Δ396	Garamond Bold No. 3 with Italic
6Δ398	Garamond No. 3 with Italic and Small Caps
6Δ410	Caslon Bold with Italic
6Δ414	Lining Card Gothic Medium with Bold, Caps and Figures
6Δ416	Memphis Medium with Memphis Bold
6Δ418	Bell Gothic, Two-Letter
6Δ420	Opticon with Bold Face No. 2
6Δ422	Teletype No. 2 with Condensed Title No. 3
6Δ424	Opticon with Italic and Small Caps
6Δ426	Excelsior with Memphis Bold
6Δ432	Teletype Paragon with Paragon Bold
6Δ434	Metrolite No. 2 with Italic
6Δ436	Metrolite No. 2 with Italic
6Δ668	Granjon with Italic and Small Caps

6½ POINT

6½Δ2	Ionic No. 5 with Bold Face No. 2
6½Δ6	Ionic No. 5 with Italic and Small Caps
6½Δ8	Teletype Ionic No. 5 with Bold Face No. 2

6¾ POINT

6¾Δ2	Ionic No. 5 with Bold Face No. 2
6¾Δ4	Ionic No. 5 with Italic and Small Caps

7 POINT

7Δ2	No. 2 with Bold Face No. 1
7Δ4	No. 1 with Italic and Small Caps
7Δ6	No. 16 with Italic and Small Caps
7Δ8	Caslon with Italic and Small Caps
7Δ10	Ronaldson with Italic and Small Caps
7Δ14	Old Style No. 1 with Italic and Small Caps
7Δ22	No. 28 with Antique Black No. 1
7Δ28	No. 1 with Doric No. 1 (Part Font)
7Δ30	No. 2 with Gothic No. 3
7Δ38	No. 1 with Bold Face No. 1, Figures
7Δ42	No. 1 with Gothic No. 4
7Δ46	No. 2 with Italic and Small Caps
7Δ48	Old Style No. 1 with Antique No. 1
7Δ50	No. 16 with Century Bold
7Δ52	Bold Face No. 3 Figures, duplicate character
7Δ58	No. 2 with Antique Black No. 1, Figures
7Δ60	Gothic No. 4 Figures, duplicate character
7Δ62	No. 2 with Condensed Title No. 3
7Δ66	No. 21 with Italic and Small Caps
7Δ74	No. 2 with Gothic No. 8, Figures
7Δ80	Century Expanded with Century Bold
7Δ84	Borders
7Δ86	No. 2 with Bold Face No. 2
7Δ88	Century Expanded with Italic and Small Caps

(28) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
7△90	No. 1 with Bold Face No. 2
7△92	Bodoni with Italic and Small Caps
7△94	Bodoni Book with Italic and Small Caps
7△96	Old Style No. 7 with Italic and Small Caps
7△98	Franklin Old Style with Italic and Small Caps
7△102	No. 21 with Gothic No. 4
7△104	Benedictine with Italic and Small Caps
7△110	Benedictine Book with Italic and Small Caps
7△118	No. 12 with Gothic No. 11
7△120	Benedictine Book with Benedictine
7△122	Ionic No. 5 with Bold Face No. 2
7△126	Ionic No. 5 with Italic and Small Caps
7△130	Textype with Bold Face No. 2
7△132	Textype with Italic and Small Caps
7△136	No. 2 Excelsior with Bold Face No. 2
7△138	No. 1 Excelsior with Bold Face No. 2
7△140	No. 1 Excelsior with Italic and Small Caps
7△142	No. 2 Excelsior with Italic and Small Caps
7△144	Teletype No. 1 Excelsior with Bold Face No. 2
7△148	Ronaldson No. 7 with Italic and Small Caps
7△150	Teletype Ionic No. 5 with Bold Face No. 2
7△152	No. 21B with Italic and Small Caps
7△154	Caslon No. 3 with Italic and Small Caps
7△156	No. 1 Excelsior with Gothic No. 3
7△158	No. 2 Excelsior and Gothic No. 3
7△160	Teletype No. 1 Excelsior with Gothic No. 3
7△162	Paragon with Paragon Bold
7△164	Paragon with Italic and Small Caps
7△166	Opticon with Bold Face No. 2
7△168	Caslon No. 137 with Italic and Small Caps
7△170	Bookman with Italic and Small Caps
7△172	Garamond No. 3 with Italic and Small Caps
7△174	Garamond Bold No. 3 with Italic
7△176	Bodoni Bold with Italic
7△182	Electra with Italic and Small Caps
7△184	Baskerville with Italic and Small Caps
7△186	Teletype Paragon with Paragon Bold
7△188	Bell Gothic, Two-Letter

7½ POINT

7½△2	Ionic No. 5 with Bold Face No. 2
7½△4	Ionic No. 5 with Italic and Small Caps
7½△6	Excelsior with Bold Face No. 2
7½△8	Excelsior with Italic and Small Caps
7½△10	Opticon with Bold Face No. 2
7½△12	Teletype Ionic No. 5 with Bold Face No. 2
7½△16	Opticon with Italic
7½△18	Paragon with Paragon Bold
7½△20	Paragon with Italic and Small Caps

7¾ POINT

7¾△2	Excelsior with Bold Face No. 2
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8 POINT

TRIANGLE NO.	NAME OF FACE
8Δ2	No. 2 with Italic and Small Caps, high alignment
8Δ4	No. 2 with Gothic No. 6 (Vertical Slug), Figures
8Δ6	No. 2 with Condensed Title No. 3
8Δ8	No. 2 with Bold Face No. 1, high alignment
8Δ10	No. 1 with Italic and Small Caps, high alignment
8Δ12	Cheltenham with Italic and Small Caps
8Δ16	De Vinne with Antique No. 3, high alignment
8Δ18	De Vinne with Italic and Small Caps, high alignment
8Δ20	German No. 3 with Bold Face No. 2
8Δ24	Caslon with Italic and Small Caps
8Δ26	Century Expanded with Italic and Small Caps
8Δ28	Classic with Italic and Small Caps
8Δ30	Old Style No. 1 with Italic and Small Caps
8Δ32	Remington Typewriter with Underscore
8Δ34	Ronaldson with Italic and Small Caps
8Δ36	Ronaldson with Antique No. 1
8Δ38	No. 19 with Italic and Small Caps, high alignment
8Δ40	No. 19 with Title No. 1, high alignment
8Δ42	Scotch with Italic and Small Caps, high alignment
8Δ44	Title No. 2 with Title Italic No. 2
8Δ48	No. 28 with Italic and Small Caps
8Δ50	Old Style No. 1 with Antique No. 1
8Δ52	No. 28 with Antique Black No. 1
8Δ54	No. 16 with Italic and Small Caps
8Δ56	No. 28 with Egyptienne Serree No. 1
8Δ58	Russian No. 11 with Antique Black No. 2
8Δ60	Cheltenham Bold with Italic
8Δ70	No. 2 with Gothic No. 3, high alignment
8Δ72	No. 4 Figures with Clarendon No. 1 Figures, high alignment
8Δ74	No. 4 Figures with Clarendon No. 1
8Δ80	No. 2 with Ionic No. 3 (Vertical Slug), Figures
8Δ82	Scotch with Italic and Small Caps
8Δ88	No. 2, high alignment, with 10 point Clarendon No. 1
8Δ92	No. 28 with Normande No. 4
8Δ94	Russian Condensed No. 2 with Antique Black No. 2
8Δ96	Russian Condensed No. 2 with Italic
8Δ98	No. 1 with Italic and Small Caps
8Δ102	No. 4 Figures with Old Style Small Caps
8Δ104	Elzevir with Cheltenham Bold
8Δ108	Classic with Century Bold
8Δ110	Russian No. 11 with Italic
8Δ114	Antique No. 1 with Italic
8Δ116	Old Style No. 3 with Italic and Small Caps
8Δ118	De Vinne with Italic and Small Caps
8Δ120	Russian No. 3 Light and Bold
8Δ122	Century Expanded with Century Bold
8Δ126	No. 26 with Antique No. 2
8Δ128	No. 16 with Century Bold
8Δ130	Gothic No. 8 Figures, duplicate character
8Δ132	No. 1 with Gothic Condensed No. 2, Figures, high alignment
8Δ134	Old Style No. 1 with Title No. 1

(30) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
8Δ136	Ronaldson with Title No. 1
8Δ138	Original Old Style with Italic and Small Caps
8Δ140	No. 21 with Antique No. 6, Figures
8Δ150	Greek No. 3
8Δ152	Old Style No. 1 with Antique Italic No. 1
8Δ154	Ronaldson with Antique Italic No. 1
8Δ156	Cheltenham Wide with Cheltenham Bold
8Δ160	Old Style No. 4 with Antique No. 2
8Δ162	Scotch with Jenson
8Δ164	De Vinne with Antique No. 3
8Δ166	Cheltenham Condensed with Cheltenham Bold Condensed
8Δ174	No. 19 with Title No. 1
8Δ176	Cheltenham Bold Condensed with Italic
8Δ186	Servian Condensed No. 2 with Italic
8Δ188	Servian No. 11 with Italic
8Δ190	Armenian No. 1 with No. 2
8Δ192	No. 1 with Title No. 2
8Δ194	No. 1 with Bold Face No. 2
8Δ196	Old Style No. 1 with Title No. 2
8Δ200	Ronaldson with Title No. 2
8Δ204	Gothic No. 13 with De Vinne Condensed
8Δ206	Gothic No. 16 with Title No. 4
8Δ208	Caslon No. 3 with Italic and Small Caps
8Δ210	No. 2 with Bold Face No. 1, Figures
8Δ212	Old Style No. 7 with Italic and Small Caps
8Δ214	No. 21 with Italic and Small Caps
8Δ218	Old Style No. 1 with Cheltenham Bold
8Δ220	Old Roman with Italic
8Δ222	Bodoni Bold with Italic
8Δ224	Ronaldson with Cheltenham Bold
8Δ228	Ronaldson No. 7 with Italic and Small Caps
8Δ230	De Vinne with 7 point Century Bold
8Δ234	De Vinne with Title No. 1
8Δ238	Servian Condensed No. 2 with Antique Black No. 2
8Δ240	No. 2 with Gothic No. 8, Figures
8Δ242	No. 17 with Condensed Title No. 5
8Δ250	Servian No. 3 Light and Bold
8Δ252	No. 2 with Italic and Small Caps
8Δ254	Century Expanded with Cheltenham Bold
8Δ256	No. 2 D. C. (Vertical Slug), Figures
8Δ258	Servian No. 11 with Antique Black No. 2
8Δ260	Gothic No. 16 Figures, duplicate character
8Δ262	Bodoni with Italic and Small Caps
8Δ266	Gothic No. 25 with Gothic No. 26
8Δ274	Benedictine with Italic and Small Caps
8Δ276	De Vinne (Vertical Slug), Figures
8Δ280	Bodoni Book with Italic and Small Caps
8Δ282	No. 21 with Antique No. 6, Figures, high alignment
8Δ298	Caslon No. 2 with Italic and Small Caps
8Δ306	Etzevir No. 3 with Italic and Small Caps
8Δ308	Century Bold with Century Bold Italic
8Δ310	Borders
8Δ312	Caslon Old Face with Italic and Small Caps

TRIANGLE NO.	NAME OF FACE
8Δ314	Antique Black No. 1 Figures, duplicate character
8Δ316	Franklin Old Style with Italic and Small Caps
8Δ318	Gothic No. 13 with Cheltenham Bold Condensed
8Δ320	Gothic No. 16 with Cheltenham Bold
8Δ360	Benedictine Book with Italic and Small Caps
8Δ364	Benedictine Bold with Italic
8Δ366	Benedictine Book with Benedictine
8Δ370	Cloister Bold with Italic
8Δ372	Garamond with Italic and Small Caps
8Δ374	Cloister Wide with Cloister Bold
8Δ378	Cloister with Italic and Small Caps
8Δ380	Garamond Bold with Italic
8Δ382	Ionic No. 5 with Bold Face No. 2
8Δ384	Ionic No. 5 with Italic and Small Caps
8Δ386	Granjon with Italic and Small Caps
8Δ394	Textype with Bold Face No. 2
8Δ396	Textype with Italic and Small Caps
8Δ408	Hebrew with Italic
8Δ410	Metroblack with Metralite
8Δ412	Poster Bodoni with Italic
8Δ414	Metromedium with Metrothin
8Δ416	Scotch No. 2 with Italic and Small Caps
8Δ418	Granjon with Granjon Bold
8Δ420	Baskerville with Italic and Small Caps
8Δ422	Remington No. 2 with Remington No. 3
8Δ424	No. 1 Excelsior with Bold Face No. 2
8Δ426	Metroblack No. 2 with Metrolite No. 2
8Δ428	Metromedium No. 2 with Metrothin No. 2
8Δ432	No. 1 Excelsior with Italic and Small Caps
8Δ434	Tariff Typewriter
8Δ436	Janson with Italic and Small Caps
8Δ440	No. 2 Excelsior with Bold Face No. 2
8Δ442	Memphis Light and Bold
8Δ444	No. 2 Excelsior with Italic and Small Caps
8Δ446	Estienne with Italic and Small Caps
8Δ448	Memphis Bold with Italic
8Δ450	Memphis Light with Italic
8Δ452	Ionic No. 4 with Antique No. 8
8Δ454	Ionic No. 4 with Antique No. 8, Self Spacing
8Δ456	Memphis Medium with Italic
8Δ462	Paragon with Paragon Bold
8Δ464	Paragon with Italic and Small Caps
8Δ466	Caslon No. 137 with Italic and Small Caps
8Δ468	No. 2 Excelsior with Gothic No. 3
8Δ470	Bookman with Italic and Small Caps
8Δ476	Garamond No. 3 with Italic and Small Caps
8Δ478	Garamond Bold No. 3 with Italic
8Δ480	Teletype No. 1 Excelsior with Bold Face No. 2
8Δ482	Opticon with Bold Face No. 2
8Δ484	Electra with Italic and Small Caps
8Δ488	Memphis Medium with Memphis Bold
8Δ490	Gothic No. 44 with Gothic No. 42, Figures
8Δ492	Gothic No. 45 with Gothic No. 43, Figures

(32) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
8Δ494	Metromedium No. 2 with Italic
8Δ496	Opticon with Italic and Small Caps
8Δ500	Teletype No. 2 with Condensed Title No. 3
8Δ502	Excelsior with Memphis Bold
8Δ504	Erbar Light Condensed with Erbar Bold Condensed
8Δ506	Memphis Extra Bold with Italic
8Δ508	Bell Gothic, Two-Letter
8Δ510	Greek Metralite, Two-Letter
8Δ512	Metroblack No. 2 with Italic
8Δ516	Metrolite No. 2 with Italic
8Δ518	Teletype Ionic No. 5 with Bold Face No. 2
8ΔA18	Estienne with Italic and Small Caps

9 POINT

9Δ2	Old Style No. 1 with Italic and Small Caps
9Δ4	De Vinne with Italic and Small Caps
9Δ6	De Vinne with Antique No. 3
9Δ8	Ronaldson with Italic and Small Caps
9Δ10	German No. 3 with Bold Face No. 2
9Δ12	No. 16 with Italic and Small Caps
9Δ18	Caslon with Italic and Small Caps
9Δ36	Greek No. 2
9Δ38	Greek Bold Face No. 1
9Δ42	De Vinne with 10 point Gothic No. 4, 11 point alignment
9Δ44	No. 1 with Italic and Small Caps
9Δ46	Cheltenham with Italic and Small Caps
9Δ48	Old Style No. 1 with Antique No. 1
9Δ50	Greek Elzevir
9Δ52	Ronaldson with Antique No. 1
9Δ56	No. 16 with Century Bold
9Δ58	Century Expanded with Italic and Small Caps
9Δ60	No. 21 with Italic and Small Caps
9Δ62	Old Style No. 7 with Italic and Small Caps
9Δ64	Ronaldson No. 7 with Italic and Small Caps
9Δ72	Century Expanded with Century Bold
9Δ74	Bold Face No. 1 Figures, duplicate character
9Δ78	Elzevir No. 3 with Italic and Small Caps
9Δ82	Caslon Old Face with Italic and Small Caps
9Δ84	Franklin Old Style with Italic and Small Caps
9Δ90	Benedictine with Italic and Small Caps
9Δ94	Benedictine Book with Italic and Small Caps
9Δ100	Benedictine Book with Benedictine
9Δ102	Garamond with Italic and Small Caps
9Δ104	Bodoni Book with Italic and Small Caps
9Δ110	Hebrew No. 2 with Italic No. 3
9Δ112	Ionic No. 5 with Bold Face No. 2
9Δ116	Ionic No. 5 with Italic and Small Caps
9Δ118	Textype with Bold Face No. 2
9Δ120	Hebrew with Hebrew Italic No. 3
9Δ122	Textype with Italic and Small Caps
9Δ126	Scotch No. 2 with Italic and Small Caps
9Δ128	Baskerville with Italic and Small Caps
9Δ130	Caslon No. 3 with Italic and Small Caps

TRIANGLE NO.

NAME OF FACE

- 9Δ132** Antique No. 1 with Italic
9Δ134 Excelsior with Italic and Small Caps
9Δ136 Excelsior with Bold Face No. 2
9Δ138 Borders
9Δ140 Memphis Light with Bold
9Δ142 Granjon with Italic and Small Caps
9Δ144 Caslon No. 137 with Italic and Small Caps
9Δ146 Memphis Medium with Italic
9Δ148 Memphis Bold and Italic
9Δ150 Bookman with Italic and Small Caps
9Δ152 Garamond No. 3 with Italic and Small Caps
9Δ154 Garamond Bold No. 3 with Italic
9Δ156 Paragon with Italic and Small Caps
9Δ158 Paragon with Paragon Bold
9Δ160 Electra with Italic and Small Caps
9Δ162 Opticon with Bold Face No. 2
9Δ164 Teletype Ionic No. 5 with Bold Face No. 2
9Δ671 Granjon with Italic and Small Caps

10 POINT

- 10Δ4** Original Old Style with Italic and Small Caps
10Δ6 Old Style No. 1 with Italic and Small Caps
10Δ8 Caslon with Italic and Small Caps
10Δ10 No. 7 with Italic and Small Caps
10Δ12 De Vinne with Antique No. 3
10Δ16 Century Expanded with Italic and Small Caps
10Δ18 Cheltenham with Italic and Small Caps
10Δ22 Classic with Italic and Small Caps
10Δ24 De Vinne with Italic and Small Caps
10Δ32 Ronaldson with Italic and Small Caps
10Δ34 Ronaldson with Antique No. 1
10Δ36 Scotch with Italic and Small Caps
10Δ38 German No. 3 with Bold Face No. 2
10Δ44 Old Style No. 1 with Antique No. 1
10Δ46 Russian Old Style with Antique No. 1
10Δ48 No. 16 with Italic and Small Caps
10Δ52 Servian Old Style with Antique No. 1
10Δ54 No. 28 with Italic and Small Caps
10Δ56 No. 13 Figures with 10 point Clarendon No. 1 Figures
10Δ58 Old Style No. 1 Figures with Clarendon No. 1 Figures
10Δ64 De Vinne with Antique No. 3 (Vertical Slug), Figures
10Δ66 Russian Condensed No. 2 with Italic
10Δ70 Antique No. 3 with 12 point Gothic Condensed No. 1
10Δ76 Greek No. 2
10Δ78 Greek Bold Face No. 1
10Δ80 Russian No. 11 with Antique Black No. 2
10Δ82 Cheltenham Bold with Italic
10Δ84 Elzevir with Cheltenham Bold
10Δ86 Classic with Century Bold
10Δ88 Russian No. 11 with Italic
10Δ90 Russian Condensed No. 2 with Antique Black No. 2
10Δ92 Antique No. 1 with Italic
10Δ94 Bold Face No. 3, duplicate character, Figures

(34) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
10Δ98	Old Style No. 3 with Italic and Small Caps
10Δ100	De Vinne Figures with Old Style Small Caps
10Δ102	Gothic No. 3 with 11 point Gothic Condensed No. 1
10Δ104	Uniline with Italic and Small Caps
10Δ106	Greek Italic No. 1
10Δ108	Russian No. 3 Light and Bold
10Δ110	Small Russian No. 3 Light and Bold
10Δ112	Century Expanded with Century Bold
10Δ114	No. 2 with Condensed Title No. 3
10Δ116	No. 16 with Century Bold
10Δ120	Old Style No. 1 with Title No. 1
10Δ122	Ronaldson with Title No. 1
10Δ124	No. 21 with Antique No. 6, Figures
10Δ126	Greek No. 3
10Δ128	Old Style No. 1 with Antique Italic No. 1
10Δ130	Ronaldson with Antique Italic No. 1
10Δ132	Egyptienne Serree No. 3 with Normande No. 4
10Δ134	Cheltenham Wide with Cheltenham Bold
10Δ136	Gothic No. 3 with 12 point De Vinne Condensed
10Δ138	Scotch with Jenson
10Δ142	Cheltenham Condensed with Cheltenham Bold Condensed
10Δ146	Armenian No. 1 with No. 2
10Δ148	Cheltenham Bold Condensed with Italic
10Δ152	No. 28 with Antique Black No. 1
10Δ154	Gothic No. 13 with De Vinne Condensed
10Δ156	Gothic No. 16 with Title No. 4
10Δ158	Old Style No. 1 with Cheltenham Bold
10Δ162	No. 2 with Gothic No. 3
10Δ170	Old Style No. 1 with Title No. 2
10Δ174	Ronaldson with Title No. 2
10Δ180	Caslon No. 3 with Italic and Small Caps
10Δ184	Old Style No. 7 with Italic and Small Caps
10Δ186	No. 21 with Italic and Small Caps
10Δ192	Old Roman with Italic
10Δ194	Pabst Old Style with Italic
10Δ196	Bodoni Bold with Italic
10Δ198	Ronaldson with Cheltenham Bold
10Δ200	Ronaldson No. 7 with Italic and Small Caps
10Δ206	De Vinne with Title No. 1
10Δ208	Century Expanded with Cheltenham Bold
10Δ214	Small Servian No. 3, Light and Bold
10Δ216	Servian No. 3, Light and Bold
10Δ218	Bodoni with Italic and Small Caps
10Δ224	Gothic No. 16 Figures, duplicate character, Figures
10Δ226	Century Expanded with Century Bold Italic
10Δ228	Gothic No. 25 with Gothic No. 26, Caps and Figures
10Δ238	Servian No. 11 with Antique Black No. 2
10Δ240	Benedictine with Italic and Small Caps
10Δ244	De Vinne D. C. (Vertical Slug)
10Δ248	Servian No. 11 with Italic
10Δ250	Bodoni Book with Italic and Small Caps
10Δ260	Caslon No. 2 with Italic and Small Caps
10Δ266	Cheltenham Wide with Cheltenham Bold Italic

TRIANGLE NO.	NAME OF FACE
10Δ268	Century Bold with Century Bold Italic
10Δ270	Underwood Typewriter with Underscore
10Δ272	Remington Typewriter with Underscore
10Δ274	Elzevir No. 3 with Italic and Small Caps
10Δ278	Servian Condensed No. 2 with Antique Black No. 2
10Δ280	Caslon Old Face with Italic and Small Caps
10Δ282	Antique Black No. 1 Figures, duplicate character
10Δ284	Franklin Old Style with Italic and Small Caps
10Δ286	Gothic No. 13 with Cheltenham Bold Condensed
10Δ288	Gothic No. 16 with Cheltenham Bold
10Δ292	Benedictine Book with Italic and Small Caps
10Δ296	Benedictine Bold with Italic
10Δ298	Benedictine Book with Benedictine
10Δ302	Cloister Bold with Italic
10Δ304	Garamond with Italic and Small Caps
10Δ306	Cloister Wide with Cloister Bold
10Δ310	Borders
10Δ312	Cloister with Italic and Small Caps
10Δ314	Garamond Bold with Italic
10Δ318	Granjon with Italic and Small Caps
10Δ320	Pabst Extra Bold with Italic
10Δ322	Textype with Bold Face No. 2
10Δ324	Textype with Italic and Small Caps
10Δ326	Poster Bodoni with Italic
10Δ360	Vulcan Bold with Italic
10Δ364	Metroblack with Metrolite
10Δ370	Metromedium with Metrothin
10Δ374	Scotch No. 2 with Italic and Small Caps
10Δ376	Granjon with Granjon Bold
10Δ378	Baskerville with Italic and Small Caps
10Δ380	Excelsior with Bold Face No. 2
10Δ382	Metroblack No. 2 with Metrolite No. 2
10Δ384	Metromedium No. 2 with Metrothin No. 2
10Δ386	Excelsior with Italic and Small Caps
10Δ388	Janson with Italic and Small Caps
10Δ390	Ionic No. 5 with Italic and Small Caps
10Δ392	Ionic No. 5 with Bold Face No. 2
10Δ394	Underwood Typewriter No. 4 with Underscore
10Δ398	Memphis Light and Bold
10Δ408	Estienne with Italic and Small Caps
10Δ410	Pabst Extra Bold Condensed with Italic
10Δ412	Memphis Bold with Italic
10Δ414	Memphis Medium with Italic
10Δ416	Erbar Light Condensed with Erbar Bold Condensed
10Δ418	Memphis Medium with Italic
10Δ420	Bengali Light with Bold
10Δ422	Electra with Italic and Small Caps
10Δ424	Caslon No. 137 with Italic and Small Caps
10Δ426	Teletype Russian Condensed No. 2 with Italic
10Δ428	Bookman with Italic and Small Caps
10Δ436	Garamond Bold No. 3 with Italic
10Δ440	Garamond No. 3 with Italic and Small Caps
10Δ444	Memphis Extra Bold with Italic

(36) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
10△448	Paragon with Italic and Small Caps
10△450	Paragon with Paragon Bold
10△452	Teletype Excelsior with Bold Face No. 2
10△454	Memphis Medium with Memphis Bold
10△456	Gothic No. 44 with Gothic No. 42, Figures
10△458	Gothic No. 45 with Gothic No. 43, Figures
10△462	Metromedium No. 2 with Italic
10△466	Excelsior with Memphis Bold
10△468	Opticon with Italic and Small Caps
10△470	Opticon with Bold Face No. 2
10△472	Phonetic Old Style No. 1 with Title No. 1
10△476	Metrolite No. 2 with Italic
10△478	Metrolite No. 2 with Italic
10△A11	Estienne with Italic and Small Caps

10 1/2 POINT

10 1/2 △ 2	Old Style No. 7 with Italic and Small Caps
10 1/2 △ 4	Ronaldson No. 7 with Italic and Small Caps

11 POINT

11 △ 2	No. 1 with Italic and Small Caps
11 △ 4	Old Style No. 1 with Italic and Small Caps
11 △ 6	Ronaldson with Italic and Small Caps
11 △ 10	Scotch with Italic and Small Caps
11 △ 12	Caslon with Italic and Small Caps
11 △ 14	De Vinne with Italic and Small Caps
11 △ 16	De Vinne with Antique No. 3
11 △ 22	Old Style No. 1 with Antique No. 1
11 △ 24	German No. 3 with Bold Face No. 2
11 △ 26	Ronaldson with Antique No. 1
11 △ 40	Bold Face No. 3 Figures, duplicate character
11 △ 42	Doric No. 1 with Bold Face Italic No. 4
11 △ 44	Russian No. 1 with Italic
11 △ 48	Cheltenham with Italic and Small Caps
11 △ 54	Greek Elzevir
11 △ 56	No. 21 with Italic and Small Caps
11 △ 58	Old Style No. 7 with Italic and Small Caps
11 △ 60	Ronaldson No. 7 with Italic and Small Caps
11 △ 62	De Vinne with Italic and Small Caps, Cancelled
11 △ 66	Russian Condensed No. 2 with Antique Black No. 3
11 △ 70	Century Expanded with Century Bold
11 △ 72	No. 1 with Century Bold
11 △ 74	Elzevir No. 3 with Italic and Small Caps
11 △ 76	Caslon Old Face with Italic and Small Caps
11 △ 78	Franklin Old Style with Italic and Small Caps
11 △ 84	Benedictine with Italic and Small Caps
11 △ 88	Benedictine Book with Italic and Small Caps
11 △ 94	Benedictine Book with Benedictine
11 △ 96	Garamond with Italic and Small Caps
11 △ 98	Cloister with Italic and Small Caps
11 △ 102	Granjon with Italic and Small Caps
11 △ 104	Century Expanded with Italic and Small Caps
11 △ 106	Cheltenham Bold with Italic

TRIANGLE NO.	NAME OF FACE
11 Δ 108	Hebrew No. 2 with Hebrew Bold Face
11 Δ 110	Scotch No. 2 with Italic and Small Caps
11 Δ 112	Caslon No. 2 with Italic and Small Caps
11 Δ 114	Granjon with Granjon Bold
11 Δ 116	Baskerville with Italic and Small Caps
11 Δ 118	Janson with Italic and Small Caps
11 Δ 120	Excelsior with Italic and Small Caps
11 Δ 122	Caslon No. 137 with Italic and Small Caps
11 Δ 124	Electra with Italic and Small Caps
11 Δ 126	Garamond No. 3 with Italic and Small Caps
11 Δ 128	Excelsior with Bold Face No. 2
11 Δ 130	Garamond Bold No. 3 with Italic
11 Δ 132	Bookman with Italic and Small Caps

11 ½ POINT

11 ½ Δ 2	Scotch with Italic and Small Caps
11 ½ Δ 4	Caslon Old Face with Italic and Small Caps

12 POINT

12 Δ 2	No. 1 with Italic and Small Caps
12 Δ 4	Old Style No. 1 with Italic and Small Caps
12 Δ 6	Original Old Style with Italic and Small Caps
12 Δ 8	Ronaldson with Italic and Small Caps
12 Δ 10	Scotch with Italic and Small Caps
12 Δ 12	Caslon with Italic and Small Caps
12 Δ 14	De Vinne with Italic and Small Caps
12 Δ 16	De Vinne with Antique No. 3
12 Δ 18	Cheltenham with Italic and Small Caps
12 Δ 20	Classic with Italic and Small Caps
12 Δ 22	Century Expanded with Italic and Small Caps
12 Δ 26	Old Style No. 1 with Antique No. 1
12 Δ 28	Ronaldson with Antique No. 1
12 Δ 30	Gothic No. 5 with Gothic Condensed No. 1
12 Δ 38	De Vinne with Antique No. 3 (Vertical Slug), Figures
12 Δ 40	No. 16 with Italic and Small Caps
12 Δ 44	Gothic No. 15 with Bold Face No. 4
12 Δ 46	Cheltenham Bold with Italic
12 Δ 48	Russian No. 11 with Italic
12 Δ 50	Greek No. 2
12 Δ 52	Russian No. 11 with Antique Black No. 2
12 Δ 54	Russian Condensed No. 2 with Italic
12 Δ 56	Elzevir with Cheltenham Bold
12 Δ 58	Classic with Century Bold
12 Δ 62	Bold Face No. 3, Figures, duplicate character
12 Δ 64	Century Expanded with Century Bold
12 Δ 66	Russian Condensed No. 2 with Antique Black No. 2
12 Δ 68	Antique No. 1 with Italic
12 Δ 70	No. 16 with Century Bold
12 Δ 74	Caslon No. 2 with Italic and Small Caps
12 Δ 76	Greek No. 3
12 Δ 78	Old Style No. 1 with Antique Italic No. 1
12 Δ 80	Ronaldson with Antique Italic No. 1
12 Δ 82	Servian Condensed No. 2 with Antique Black No. 2

(38) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
12Δ 84	Old Style No. 1 with Title No. 1
12Δ 86	Ronaldson with Title No. 1
12Δ 88	Cheltenham Wide with Cheltenham Bold
12Δ 90	Scotch with Jenson
12Δ 94	Cheltenham Condensed with Cheltenham Bold Condensed
12Δ 96	Old Style No. 3 with Italic and Small Caps
12Δ 98	Cheltenham Bold Condensed with Italic
12Δ 102	Gothic No. 13 with De Vinne Condensed
12Δ 104	Gothic No. 16 with Title No. 4
12Δ 110	Servian Condensed No. 2 with Italic
12Δ 116	Old Style No. 1 with Title No. 2
12Δ 118	Ronaldson with Title No. 2
12Δ 120	Caslon No. 3 with Italic and Small Caps
12Δ 126	Old Style No. 1 with Cheltenham Bold
12Δ 128	Old Roman with Italic
12Δ 130	Pabst Old Style with Italic
12Δ 132	Bodoni Bold with Italic
12Δ 134	Ronaldson with Cheltenham Bold
12Δ 140	Century Expanded with Cheltenham Bold
12Δ 150	Russian No. 3 Light and Bold
12Δ 152	De Vinne with Title No. 1
12Δ 158	Gothic No. 16 D. C., Figures
12Δ 160	Bodoni with Italic and Small Caps
12Δ 164	German No. 3 with Bold Face No. 2
12Δ 166	Century Expanded with Century Bold Italic
12Δ 168	Gothic No. 25 with Gothic No. 26, Caps and Figures
12Δ 170	Armenian No. 1 with No. 3 Caps and No. 4 Lower Case
12Δ 176	Benedictine with Italic and Small Caps
12Δ 178	Borders
12Δ 180	Bold Face No. 7 Figures, duplicate character
12Δ 182	Servian No. 11 with Antique Black No. 2
12Δ 184	Armenian No. 1 with No. 2
12Δ 186	Bodoni Book with Italic and Small Caps
12Δ 190	Old Style No. 7 with Italic and Small Caps
12Δ 194	Ronaldson No. 7 with Italic and Small Caps
12Δ 196	Cheltenham Wide with Cheltenham Bold Italic
12Δ 198	Century Bold with Century Bold Italic
12Δ 200	Underwood Typewriter with Underscore
12Δ 202	Remington Typewriter with Underscore
12Δ 208	Gothic No. 29 with Gothic No. 30, Caps and Figures
12Δ 210	Gothic No. 29C with Gothic No. 30C, Caps and Figures
12Δ 212	Gothic No. 29B with Gothic No. 30B, Caps and Figures
12Δ 214	Gothic No. 29A with Gothic No. 30A, Caps and Figures
12Δ 216	Bold Face No. 9 with Gothic No. 31, Caps and Figures
12Δ 218	Bold Face No. 9C with Gothic No. 31C, Caps and Figures
12Δ 220	Bold Face No. 9B with Gothic No. 31B, Caps and Figures
12Δ 222	Bold Face No. 9A with Gothic No. 31A, Caps and Figures
12Δ 224	Elzevir No. 3 with Italic and Small Caps
12Δ 228	Nestorian
12Δ 230	Servian No. 3 Light and Bold
12Δ 234	Jacobite
12Δ 236	Caslon Old Face with Italic and Small Caps
12Δ 238	Gothic No. 15 Figures, duplicate character

TRIANGLE NO.	NAME OF FACE
12Δ240	Franklin Old Style with Italic and Small Caps
12Δ242	Gothic No. 13 with Cheltenham Bold Condensed
12Δ244	Gothic No. 16 with Cheltenham Bold
12Δ250	Gothic No. 32 with Gothic No. 33, Caps and Figures
12Δ252	Gothic No. 32A with Gothic No. 33A, Caps and Figures
12Δ254	Gothic No. 32B with Gothic No. 33B, Caps and Figures
12Δ256	Gothic No. 32C with Gothic No. 33C, Caps and Figures
12Δ258	Benedictine Book with Italic and Small Caps
12Δ260	Benedictine Bold with Italic
12Δ262	No. 21 with Italic and Small Caps
12Δ264	Underwood Typewriter No. 2 with Underscore
12Δ266	Gothic No. 31 with Gothic No. 32, Caps and Figures
12Δ268	Gothic No. 31A with Gothic No. 32A, Caps and Figures
12Δ270	Gothic No. 31B with Gothic No. 32B, Caps and Figures
12Δ272	Gothic No. 31C with Gothic No. 32C, Caps and Figures
12Δ274	Benedictine Book with Benedictine
12Δ276	Cloister Bold with Italic
12Δ278	Garamond with Italic and Small Caps
12Δ280	Cloister Wide with Cloister Bold
12Δ284	Cloister with Italic and Small Caps
12Δ286	Garamond Bold with Italic
12Δ288	Granjon with Italic and Small Caps
12Δ292	Pabst Extra Bold with Italic
12Δ294	Hebrew with Hebrew Light Face
12Δ296	Hebrew with Hebrew Italic No. 3
12Δ298	Poster Bodoni with Italic
12Δ300	Vulcan Bold with Italic
12Δ302	Metroblack with Metrolite
12Δ308	Metromedium with Metrothin
12Δ310	Textype with Bold Face No. 2
12Δ314	Baskerville with Italic and Small Caps
12Δ316	Granjon with Granjon Bold
12Δ318	Janson with Italic and Small Caps
12Δ320	Ionic No. 5 with Italic and Small Caps
12Δ322	Servian No. 11 with Italic
12Δ324	Textype with Italic and Small Caps
12Δ364	Metroblack No. 2 with Metrolite No. 2
12Δ366	Metromedium No. 2 with Metrothin No. 2
12Δ368	Ionic No. 5 with Bold Face No. 2
12Δ370	Remington Typewriter No. 4 with Underscore
12Δ374	Scotch No. 2 with Italic and Small Caps
12Δ376	Memphis Light and Bold
12Δ378	Excelsior with Bold Face No. 2
12Δ380	Estienne with Italic and Small Caps
12Δ382	Pabst Extra Bold Condensed with Italic
12Δ384	Electra with Italic and Small Caps
12Δ386	Bold Face No. 9D with Gothic No. 31D, Caps and Figures
12Δ388	Memphis Bold with Italic
12Δ390	Memphis Light with Italic
12Δ392	Erbar Light Condensed with Erbar Bold Condensed
12Δ394	Teletype Bodoni Bold with Italic
12Δ396	Gothic No. 31D with Gothic No. 32D, Caps and Figures
12Δ398	Memphis Medium with Italic

(40) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
12△416	Lining Metromedium with Lining Metrothin, Caps and Figures
12△418	Lining Metromedium A with Lining Metrothin A, Caps and Figures
12△420	Lining Metromedium B with Lining Metrothin B, Caps and Figures
12△422	Lining Metromedium C and Lining Metrothin C, Caps and Figures
12△424	Lining Memphis Light A with Lining Memphis Bold A, Caps and Figs.
12△426	Lining Memphis Light B with Lining Memphis Bold B, Caps and Figs.
12△428	Lining Memphis Light C with Lining Memphis Bold C, Caps and Figs.
12△432	Bengali Light with Bold
12△434	Lining Memphis Light with Lining Memphis Bold, Caps and Figures
12△436	Gothic No. 13, duplicate character, Figures
12△440	Caslon No. 137 with Italic and Small Caps
12△442	Gujarati Light with Bold
12△444	Bookman with Italic and Small Caps
12△446	Tamil Light with Bold
12△452	Garamond Bold No. 3 with Italic
12△454	Garamond No. 3 with Italic and Small Caps
12△458	Memphis Extra Bold with Italic
12△462	Lining Card Gothic Medium with Bold, Caps and Figures
12△464	Metromedium No. 2 with Italic
12△466	Memphis Medium with Memphis Bold
12△468	Gothic No. 44 with Gothic No. 42, Figures
12△470	Gothic No. 45 with Gothic No. 43, Figures
12△474	Opticon with Bold Face No. 2
12△476	Metroblack No. 2 with Italic
12△478	Metrolite No. 2 with Italic
12△486	Gothic No. 31C with Gothic No. 33C, Caps and Figures
12△488	Excelsior with Memphis Bold
12△980	Estienne with Italic and Small Caps

14 POINT

14△2	Original Old Style with Italic and Small Caps
14△4	Cheltenham with Italic and Small Caps
14△16	Bold Face No. 3 Figures, duplicate character
14△20	Century Expanded with Century Bold
14△22	De Vinne with Antique No. 3
14△24	Old Style No. 1 with Antique No. 1
14△26	Classic with Century Bold
14△28	Elzevir with Cheltenham Bold
14△30	Cheltenham Bold with Italic
14△34	Caslon with Italic and Small Caps
14△36	No. 16 with Century Bold
14△38	Ronaldson with Antique No. 1
14△40	Cheltenham Wide with Cheltenham Bold
14△42	Cheltenham Condensed with Cheltenham Bold Condensed
14△46	Cheltenham Bold Condensed with Italic
14△48	Gothic No. 13 with De Vinne Condensed
14△50	Gothic No. 16 with Title No. 4
14△54	Caslon No. 3 with Italic and Small Caps
14△56	Antique No. 1 with Italic
14△58	Century Expanded with Italic and Small Caps
14△62	Old Style No. 1 with Cheltenham Bold
14△66	Pabst Old Style with Italic
14△68	Bodoni Bold with Italic

TRIANGLE NO.	NAME OF FACE
14△70	Ronaldson with Cheltenham Bold
14△72	Old Style No. 1 with Title No. 2
14△74	Ronaldson with Title No. 2
14△76	Old Style No. 1 with Italic and Small Caps
14△78	Ronaldson with Italic and Small Caps
14△84	De Vinne with Italic and Small Caps
14△86	Century Expanded with Cheltenham Bold
14△92	Gothic No. 16 Figures, duplicate character
14△94	Bodoni with Italic and Small Caps
14△102	Century Expanded with Century Bold Italic
14△106	Benedictine with Italic and Small Caps
14△110	Cheltenham Bold Figures, duplicate character
14△114	Bodoni Book with Italic and Small Caps
14△118	German No. 4 with Bold Face No. 4
14△120	Old Style No. 7 with Italic and Small Caps
14△122	Ronaldson No. 7 with Italic and Small Caps
14△124	Century Bold with Century Bold Italic
14△126	Elzevir No. 3 with Italic and Small Caps
14△132	Caslon Old Face with Italic and Small Caps
14△134	Franklin Old Style with Italic and Small Caps
14△136	Gothic No. 13 with Cheltenham Bold Condensed
14△138	Gothic No. 16 with Cheltenham Bold
14△140	De Vinne with Title No. 1
14△142	Scotch with Italic and Small Caps
14△146	Benedictine Book with Italic and Small Caps
14△148	Clearface Bold with Italic
14△150	Benedictine Bold with Italic
14△152	Benedictine Book with Benedictine
14△154	Cloister Bold with Italic
14△156	Garamond with Italic and Small Caps
14△158	Cloister Wide with Cloister Bold
14△162	Cloister with Italic and Small Caps
14△164	Garamond Bold with Italic
14△168	Hebrew No. 3 with Italic
14△170	Granjon with Italic and Small Caps
14△172	Pabst Extra Bold with Italic
14△174	Poster Bodoni with Italic
14△176	Vulcan Bold with Italic
14△178	Janson with Italic and Small Caps
14△180	Metroblack with Metrolite
14△186	Metromedium with Metrothin
14△188	Baskerville with Italic and Small Caps
14△192	Granjon with Granjon Bold
14△194	Textype with Bold Face No. 2
14△196	Metroblack No. 2 with Metrolite No. 2
14△198	Metromedium No. 2 with Metrothin No. 2
14△200	Memphis Light and Bold
14△202	Estienne with Italic and Small Caps
14△204	Pabst Extra Bold Condensed with Italic
14△206	Memphis Bold with Italic
14△208	Memphis Light with Italic
14△210	Erbar Light Condensed with Erbar Bold Condensed
14△212	Memphis Medium with Italic

(42) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE
14Δ214	Excelsior with Bold Face No. 2
14Δ216	Electra with Italic and Small Caps
14Δ218	Excelsior with Italic and Small Caps
14Δ220	Textype with Bold Face No. 2
14Δ222	Bold Face No. 2, Duplicate Character, Food Store Logotypes
14Δ224	Devanagari Light with Bold
14Δ228	Garamond Bold No. 3 with Italic
14Δ232	Bookman with Italic and Small Caps
14Δ234	Memphis Extra Bold with Italic
14Δ236	Garamond No. 3 with Italic and Small Caps
14Δ240	Memphis Medium with Memphis Bold
14Δ242	Gothic No. 44 with Gothic No. 42, Figures
14Δ244	Gothic No. 45 with Gothic No. 43, Figures
14Δ246	Metromedium No. 2 with Italic
14Δ250	Metroblack No. 2 with Italic
14Δ252	Excelsior with Memphis Bold
14Δ256	Metrolite No. 2 with Italic
14Δ941	Estienne with Italic and Small Caps

DISPLAY

16 POINT		90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
TRIANGLE NO.	NAME OF FACE									
16Δ5	Hebrew	●	—	●	—	●	—	●	●	●
16Δ7	Hebrew Condensed	●	—	●	—	●	—	●	●	●
16Δ9	Gothic Condensed No. 1, Adv. Figs.	●	—	●	—	●	—	●	●	●
16Δ15	Baskerville	●	●	●	●	●	●	●	●	●
16Δ17	Estienne	●	●	●	●	●	●	●	●	●
16Δ21	Bodoni	●	●	●	●	●	●	●	●	●
16Δ942	Estienne	●	●	●	●	●	●	●	●	●

18 POINT		90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
18Δ1	Gothic Condensed No. 2	●	●	●	●	●	●	●	●	●
18Δ3	Mid Gothic, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ4	Erbar Light Condensed with Erbar Bold Condensed	●	●	●	●	●	●	●	●	●
18Δ5	Gothic No. 16, Adv. Figs.	—	—	●	—	●	—	●	●	●
18Δ6	Metromedium No. 2 with Metrothin No. 2	●	●	●	●	●	●	●	●	●
18Δ8	Metroblack No. 2 with Metrolite No. 2	●	●	●	●	●	●	●	●	●
18Δ9	Century Bold, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ10	Bodoni Bold with Italic	●	●	●	●	●	●	●	●	●
18Δ11	Century Bold Italic, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ12	Cloister Bold with Italic	●	●	●	●	●	●	●	●	●
18Δ13	Cheltenham Bold, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ14	Cloister with Italic	●	●	●	●	●	●	●	●	●
18Δ15	Cheltenham Bold Italic, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ16	Memphis Light with Bold	●	●	●	●	●	●	●	●	●
18Δ17	Cheltenham Bold Condensed, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ18	Benedictine with Italic	●	●	●	●	●	●	●	●	●
18Δ19	Cheltenham Bold Condensed Italic, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ20	Memphis Bold with Italic	●	●	●	●	●	●	●	●	●
18Δ22	Garamond Bold with Italic	●	●	●	●	●	●	●	●	●
18Δ24	Cheltenham Bold Condensed with Italic	●	●	●	●	●	●	●	●	●
18Δ26	Poster Bodoni with Italic	—	●	●	●	●	●	●	●	+
18Δ28	Memphis Medium with Italic	●	●	●	●	●	●	●	●	●
18Δ29	Gothic Condensed No. 1, Adv. Figs.	●	—	●	—	●	—	●	●	●
18Δ30	Textype with Italic	●	●	●	●	●	●	●	●	●
18Δ33	Gothic Condensed No. 1	●	●	●	●	●	●	●	●	●
18Δ34	Gothic No. 16 with Cheltenham Bold	●	●	●	●	●	●	●	●	●
18Δ35	Antique Condensed	●	●	●	●	●	●	●	●	●

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(44) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
18Δ36	Gothic No. 13 with Cheltenham Bold Condensed	●	●	●	●	●	●	●	●	●
18Δ37	Latin Condensed	●	●	●	●	●	●	●	●	●
18Δ38	Bodoni with Italic	●	●	●	●	●	●	●	●	●
18Δ41	Cheltenham Bold Extra Condensed	●	●	●	●	●	●	●	●	●
18Δ42	Pabst Extra Bold with Italic	—	●	●	●	●	●	●	●	+
18Δ43	Gothic No. 14	●	●	●	●	●	●	●	●	●
18Δ44	Century Expanded with Italic	●	●	●	●	●	●	●	●	●
18Δ46	Metroblack No. 2 with Italic	●	●	●	●	●	●	●	●	●
18Δ47	De Vinne Condensed, Adv. Figs.	●	—	●	—	●	—	●	●	●
18Δ48	Memphis Bold with Memphis Light	●	●	●	●	●	●	●	●	●
18Δ50	Metrolite No. 2 with Italic	●	●	●	●	●	●	●	●	●
18Δ52	Memphis Extra Bold with Italic	—	●	●	●	●	●	●	●	●
18Δ53	Jenson Condensed	●	●	●	●	●	●	●	●	●
18Δ54	Metromedium No. 2 with Italic	●	●	●	●	●	●	●	●	●
18Δ55	De Vinne Extra Condensed	●	●	●	●	●	●	●	●	●
18Δ56	Erbar Bold Condensed with Erbar Light Condensed	●	●	●	●	●	●	●	●	●
18Δ57	Century Bold Condensed	●	●	●	●	●	●	●	●	●
18Δ58	Garamond Bold No. 3 with Italic	●	●	●	●	●	●	●	●	●
18Δ59	Cheltenham Bold Condensed	●	●	●	●	●	●	●	●	●
18Δ60	Century Bold with Century Expanded	●	●	●	●	●	●	●	●	●
18Δ62	Garamond No. 3 with Italic	●	●	●	●	●	●	●	●	●
18Δ64	Memphis Bold with Memphis Medium	●	●	●	●	●	●	●	●	●
18Δ65	Gothic No. 13	●	●	●	●	●	●	●	●	●
18Δ66	Caslon No. 3 with Italic	—	●	●	●	●	●	●	●	+
18Δ68	Memphis Bold Condensed with Memphis Medium Condensed	●	●	●	●	●	●	●	●	●
18Δ69	Borders	—	—	—	—	—	—	—	—	—
18Δ71	Gothic No. 18	●	●	●	●	●	●	●	●	●
18Δ75	Condensed Outline	●	●	●	●	●	●	●	●	●
18Δ79	Old Style No. 1	●	●	●	●	●	●	●	●	●
18Δ83	Hebrew	●	—	●	—	●	—	●	●	●
18Δ85	Title No. 6, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ87	Antique Italic No. 1	●	●	●	●	●	●	●	●	●
18Δ89	Russian Antique Black No. 12	●	—	—	—	—	—	●	●	●
18Δ91	Russian Antique Black Condensed No. 2	●	—	—	—	—	—	●	●	●
18Δ93	Pabst Old Style Condensed	●	●	●	●	●	●	●	●	●
18Δ95	Title No. 2	●	●	●	●	●	●	●	●	●
18Δ97	Cheltenham Bold	●	●	●	●	●	●	●	●	●
18Δ99	Cheltenham Condensed	●	●	●	●	●	●	●	●	●
18Δ101	Bodoni	●	●	●	●	●	●	●	●	●
18Δ103	Antique No. 1	●	●	●	●	●	●	●	●	●

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
18Δ 105	German Bold Face No. 3	●	●	●	●	●	●	●	●	●
18Δ 109	Bold Face No. 6, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ 111	Benedictine	●	●	●	●	●	●	●	●	●
18Δ 113	Elzevir No. 2	●	●	●	●	●	●	●	●	●
18Δ 115	Caslon No. 4	●	●	●	●	●	●	●	●	●
18Δ 119	Bold Face No. 7, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ 123	Century Expanded	●	●	●	●	●	●	●	●	●
18Δ 125	Bodoni Book	●	●	●	●	●	●	●	●	●
18Δ 129	Classic Italic	●	●	●	●	●	●	●	●	●
18Δ 131	Cheltenham Bold Condensed Italic	●	●	●	●	●	●	●	●	●
18Δ 133	Century Bold	●	●	●	●	●	●	●	●	●
18Δ 135	Bodoni Italic	●	●	●	●	●	●	●	●	●
18Δ 139	Gothic No. 29, Caps and Figures	—	—	●	—	●	—	●	●	—
18Δ 141	Gothic No. 30, Caps and Figures	—	—	●	—	●	—	●	●	—
18Δ 143	Gothic No. 31, Caps and Figures	—	—	—	—	●	—	●	—	—
18Δ 145	Gothic No. 29A, Caps and Figures	●	—	●	—	●	—	●	●	●
18Δ 147	Gothic No. 30A, Caps and Figures	●	—	●	—	●	—	●	●	●
18Δ 149	Gothic No. 31A, Caps and Figures	—	—	●	—	●	—	●	—	—
18Δ 151	Bold Face No. 9A, Caps and Figures	—	—	—	—	●	—	●	—	—
18Δ 155	Elzevir No. 3	●	●	●	●	●	●	●	●	●
18Δ 157	Bold Face No. 9, Caps and Figures	—	—	—	—	●	—	●	—	—
18Δ 159	Servian Antique Black Con- densed No. 2	●	—	—	—	—	—	●	●	●
18Δ 163	Caslon Bold Condensed	●	●	●	●	●	●	●	●	●
18Δ 165	Bodoni Bold	●	●	●	●	●	●	●	●	●
18Δ 167	Estrangela	—	—	—	—	—	—	—	—	—
18Δ 169	Caslon Old Face	●	●	●	●	●	●	●	●	●
18Δ 171	Caslon Old Face Italic	●	●	●	●	●	●	●	●	●
18Δ 173	Century Bold Italic	—	●	●	●	●	●	●	●	●
18Δ 175	Cheltenham Bold Italic	—	●	●	●	●	●	●	●	●
18Δ 177	Franklin Old Style	—	●	●	●	●	●	●	●	+
18Δ 179	Gothic No. 16	●	●	●	●	●	●	●	●	●
18Δ 181	Franklin Old Style Italic	—	●	●	●	●	●	●	●	+
18Δ 183	De Vinne Outline	●	●	●	●	●	●	●	●	●
18Δ 187	Bodoni Bold Italic	●	●	●	●	●	●	●	●	●
18Δ 193	Old Style No. 7	●	●	●	●	●	●	●	●	●
18Δ 195	Scotch	—	●	●	●	●	●	●	●	+
18Δ 197	Scotch Italic	—	●	●	●	●	●	●	●	+
18Δ 199	Title No. 1	●	●	●	●	●	●	●	●	●
18Δ 203	Bodoni Bold, Adv. Figs.	◆	—	●	—	●	—	●	●	●
18Δ 207	Arabic	●	—	—	—	—	—	●	●	●

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(46) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
18Δ209	Cheltenham Extra Condensed Italic	●	●	●	●	●	●	●	●	●
18Δ211	Bodoni Book Italic	●	●	●	●	●	●	●	●	●
18Δ213	Caslon No. 3	—	●	●	●	●	●	●	●	+
18Δ215	Caslon No. 3 Italic	—	●	●	●	●	●	●	●	+
18Δ221	Benedictine Italic	●	●	●	●	●	●	●	●	●
18Δ225	Benedictine Book	●	●	●	●	●	●	●	●	●
18Δ227	Bodoni Book Extra Condensed	●	●	●	●	●	●	●	●	●
18Δ229	Benedictine Book Italic	●	●	●	●	●	●	●	●	●
18Δ233	Benedictine Bold	—	●	●	●	●	●	●	●	●
18Δ235	Metrolite	●	●	●	●	●	●	●	●	●
18Δ237	Benedictine Bold Italic	—	●	●	●	●	●	●	●	●
18Δ239	Clearface Bold	—	●	●	●	●	●	●	●	●
18Δ241	Clearface Bold Italic	—	●	●	●	●	●	●	●	●
18Δ243	Cloister Bold	●	●	●	●	●	●	●	●	●
18Δ245	Cloister Bold Italic	●	●	●	●	●	●	●	●	●
18Δ247	Gothic Condensed Outline, Caps and Figures	●	—	●	—	●	—	●	●	●
18Δ249	Narciss	—	●	●	●	●	●	●	●	+
18Δ251	Gothic No. 38	—	●	●	●	●	●	●	●	+
18Δ253	Arabic Old Style	●	—	—	—	—	—	—	●	●
18Δ255	Cheltenham, Adv. Figs.	●	—	—	—	—	—	—	●	●
18Δ257	Metromedium	●	●	●	●	●	●	●	●	●
18Δ259	Metrothin	●	●	●	●	●	●	●	●	●
18Δ261	Arabic Bold Old Style	●	—	—	—	—	—	—	●	●
18Δ263	Cloister	●	●	●	●	●	●	●	●	●
18Δ265	Garamond	●	●	●	●	●	●	●	●	●
18Δ267	Cloister Italic	●	●	●	●	●	●	●	●	●
18Δ269	Garamond Italic	●	●	●	●	●	●	●	●	●
18Δ271	Lino Script	●	●	●	●	●	●	●	●	●
18Δ277	Garamond Bold	●	●	●	●	●	●	●	●	●
18Δ279	Garamond Bold Italic	●	●	●	●	●	●	●	●	●
18Δ283	Bodoni Bold Condensed	●	●	●	●	●	●	●	●	●
18Δ285	Lino Text	●	●	●	●	●	●	●	●	●
18Δ287	Ionic Condensed	●	●	●	●	●	●	●	●	●
18Δ289	Gothic No. 13, Adv. Figs.	●	—	●	—	●	—	●	●	●
18Δ295	Card Italic	●	●	●	●	●	●	●	●	●
18Δ297	Hebrew No. 3	●	—	●	—	●	—	●	●	●
18Δ299	Hebrew No. 3 Italic	●	—	●	—	●	—	●	●	●
18Δ301	Granjon	●	●	●	●	●	●	●	●	●
18Δ303	Granjon Italic	●	●	●	●	●	●	●	●	●
18Δ305	Pabst Extra Bold	—	●	●	●	●	●	●	●	+
18Δ307	Pabst Extra Bold, Adv. Figs.	◆	—	●	—	●	—	●	●	+
18Δ309	Poster Bodoni	—	●	●	●	●	●	●	●	+
18Δ311	Vulcan Bold	—	●	●	●	●	●	●	●	+
18Δ313	Poster Bodoni Italic	—	●	●	●	●	●	●	●	+
18Δ315	Armenian Gothic Condensed No. 2	—	—	—	—	—	—	●	●	—

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
18Δ317	Vulcan Bold Italic	—	—	•	•	•	•	•	•	•
18Δ319	Armenian Gothic No. 13	—	—	—	—	—	—	•	•	—
18Δ321	Metroblack	•	•	•	•	•	•	•	•	•
18Δ323	Cloister Bold, Adv. Figs.	•	—	•	—	•	—	•	•	•
18Δ325	Metroblack, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ327	Pabst Extra Bold Condensed	•	—	•	—	•	—	•	•	•
18Δ329	Metroblack No. 2	•	•	•	•	•	•	•	•	•
18Δ331	Metrolite No. 2	•	•	•	•	•	•	•	•	•
18Δ333	Metromedium No. 2	•	•	•	•	•	•	•	•	•
18Δ335	Metrothin No. 2	•	•	•	•	•	•	•	•	•
18Δ337	Poster Bodoni, Adv. Figs.	—	—	•	—	•	—	•	•	•
18Δ343	Pabst Extra Bold Condensed, Adv. Figs.	•	—	•	—	•	—	•	•	•
18Δ347	Memphis Light	•	•	•	•	•	•	•	•	•
18Δ349	Memphis Bold	•	•	•	•	•	•	•	•	•
18Δ351	Erbar Bold Condensed	•	•	•	•	•	•	•	•	•
18Δ353	Erbar Light Condensed	•	•	•	•	•	•	•	•	•
18Δ355	Estienne	•	•	•	•	•	•	•	•	•
18Δ357	Memphis Extra Bold	—	—	•	—	•	—	•	•	•
18Δ359	Metromedium, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ361	Teletype Bodoni Bold	•	•	•	•	•	•	•	•	•
18Δ363	Cheltenham Italic, Food Store Logotypes	—	—	—	—	—	—	—	—	—
18Δ365	Bold Face No. 2, Food Store Logotypes	—	—	—	—	—	—	—	—	—
18Δ367	Gothic No. 39, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ369	Gothic No. 40, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ371	Gothic No. 41, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ373	Gothic No. 39, Figures	◆	—	•	—	•	—	•	•	•
18Δ375	Gothic No. 40, Figures	◆	—	•	—	•	—	•	•	•
18Δ377	Gothic No. 41, Figures	◆	—	•	—	•	—	•	•	•
18Δ379	Memphis Medium	•	•	•	•	•	•	•	•	•
18Δ381	Memphis Medium Italic	•	•	•	•	•	•	•	•	•
18Δ385	Caslon Italic	—	•	•	•	•	•	•	•	+
18Δ389	Cheltenham Medium Condensed	•	•	•	•	•	•	•	•	•
18Δ391	Erbar Medium Condensed	•	•	•	•	•	•	•	•	•
18Δ395	Gothic No. 44, Figures	•	—	•	—	•	—	•	•	•
18Δ397	Memphis Bold, Adv. Figs.	•	—	•	—	•	—	•	•	•
18Δ399	Franklin Gothic	—	•	•	•	•	•	•	•	•
18Δ401	Garamond Bold No. 3	•	•	•	•	•	•	•	•	•
18Δ403	Memphis Extra Bold, Adv. Figs.	◆	—	•	—	•	—	•	•	•
18Δ405	Greek Erbar Light Condensed, Caps and Figures	—	—	—	—	—	—	•	•	—
18Δ415	Garamond Bold No. 3 Italic	•	•	•	•	•	•	•	•	•
18Δ865	Estienne	•	•	•	•	•	•	•	•	•

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(48) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
20 POINT										
20Δ3	Condensed Title No. 1, Caps and Figures	●	—	●	—	●	—	●	●	●
20Δ5	Antique Extra Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
20Δ7	Hebrew Condensed	●	—	●	—	●	—	●	●	●
20Δ9	Cheltenham	●	●	●	●	●	●	●	●	●
20Δ11	Russian Antique Condensed	●	—	—	—	—	—	—	—	—
20Δ17	Cheltenham Italic	—	●	●	●	●	●	●	●	●
20Δ23	Servian Antique Condensed	●	—	—	—	—	—	●	●	●
20Δ25	Cheltenham, Adv. Caps and Figures	◆	—	●	—	●	—	●	●	●
20Δ27	Gothic Condensed No. 3, Caps and Figures	●	—	●	—	●	—	●	●	●
21 POINT										
21Δ1	Latin Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
21Δ3	Caslon Old Face	—	●	●	●	●	●	●	●	+
21Δ5	Caslon Old Face Italic	—	●	●	●	●	●	●	●	+
21Δ7	Narciss	—	●	●	●	●	●	●	●	+
21Δ13	Bodoni	—	●	●	●	●	●	●	●	●
21Δ15	Bodoni Bold	—	●	●	●	●	●	●	●	●
21Δ17	Bodoni Bold Italic	—	●	●	●	●	●	●	●	●
21Δ19	Granjon	●	●	●	●	●	●	●	●	●
21Δ21	Vulcan Bold	—	●	●	●	●	●	●	+	+
21Δ684	Granjon Italic	●	●	●	●	●	●	●	●	●
22 POINT										
22Δ1	Arabic	●	—	—	—	—	—	●	●	●
24 POINT										
24Δ3	Century Bold Italic, Adv. Figs.	—	—	●	—	●	—	●	●	●
24Δ5	Cheltenham Bold, Adv. Figs.	—	—	●	—	●	—	●	●	●
24Δ6	Metromedium No. 2 with Metrothin No. 2	—	●	●	●	●	●	●	●	+
24Δ7	Cheltenham Bold Italic, Adv. Figs.	—	—	●	—	●	—	●	●	●
24Δ8	Metroblack No. 2 with Metrolite No. 2	—	—	●	●	●	●	●	●	+
24Δ10	Bodoni Bold with Italic	—	●	●	●	●	●	●	●	+
24Δ15	Century Bold, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ19	Gothic Condensed No. 1, Adv. Figs.	●	—	●	—	●	—	●	●	●
24Δ21	Gothic Condensed No. 2	●	●	●	●	●	●	●	●	●
24Δ22	Garamond Bold with Italic	—	—	●	●	●	●	●	●	+
24Δ23	Caption, Caps and Figures	●	—	●	—	●	—	●	●	●
24Δ25	Latin Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
24Δ26	Poster Bodoni with Italic	—	—	—	●	●	●	●	+	—
24Δ27	De Vinne Extra Condensed	●	●	●	◆	●	●	●	●	●

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 + Lower Case Only Will Run.

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
24Δ29	Cheltenham Bold Extra Condensed	●	●	●	●	●	●	●	●	●
24Δ31	Jenson, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ33	De Vinne Condensed, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ34	Gothic No. 16 with Cheltenham Bold	—	●	●	●	●	●	●	●	+
24Δ35	Lining Caslon, Adv. Figs.	—	—	●	—	●	—	●	●	●
24Δ36	Gothic No. 13 with Cheltenham Bold Condensed	◆	●	●	●	●	●	●	●	●
24Δ37	Cheltenham Bold Condensed, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ39	Mid Gothic, Adv. Figs.	◆	—	—	—	●	—	●	●	●
24Δ45	Gothic No. 16, Adv. Figs.	—	—	—	—	●	—	●	●	—
24Δ46	Metrolite No. 2 with Italic	—	—	●	●	●	●	●	●	+
24Δ47	Roman Bold Condensed	●	●	●	●	●	●	●	●	●
24Δ48	Memphis Bold with Memphis Light	—	—	●	●	●	●	●	+	+
24Δ49	Borders	—	—	—	—	—	—	—	—	—
24Δ50	Metrolite No. 2 with Italic	—	—	●	●	●	●	●	●	+
24Δ51	Gothic No. 13	●	●	●	●	●	●	●	●	●
24Δ53	Gothic No. 18	●	●	●	●	●	●	●	●	●
24Δ54	Metromedium No. 2 with Italic	—	●	●	●	●	●	●	●	+
24Δ55	Cheltenham Condensed	●	●	●	●	●	●	●	●	●
24Δ56	Erbar Bold Condensed with Erbar Light Condensed	●	●	●	●	●	●	●	●	●
24Δ57	Century Bold Condensed	●	●	●	●	●	●	●	●	●
24Δ58	Garamond Bold No. 3 with Italic	—	●	●	●	●	●	●	●	+
24Δ59	Gothic Condensed No. 3, Caps and Figures	●	—	●	—	●	—	●	●	●
24Δ63	Old Style No. 7, Adv. Caps	—	—	●	—	●	—	●	●	—
24Δ66	Caslon No. 3 with Italic	—	—	—	●	●	—	●	+	+
24Δ67	Bold Face No. 6, Adv. Figs.	—	—	●	—	●	—	●	●	●
24Δ69	Russian Antique Black Condensed No. 2	●	—	—	—	—	—	●	●	●
24Δ71	Russian Caption	●	—	—	—	—	—	●	●	●
24Δ73	Bodoni	—	●	●	●	●	●	●	●	+
24Δ75	Cheltenham Bold	—	●	●	●	●	●	●	●	+
24Δ79	Old Style No. 7	—	●	●	●	●	●	●	●	+
24Δ85	Syriac	●	—	●	—	●	—	●	●	●
24Δ89	Elzevir No. 2	—	●	●	●	●	●	●	●	●
24Δ95	Cheltenham Bold Extra Condensed Italic	●	●	●	●	●	●	■	■	■
24Δ97	Servian Antique Black Condensed No. 2	●	—	—	—	—	—	●	●	●
24Δ99	Condensed Outline	●	●	●	●	●	●	●	●	●
24Δ101	Cheltenham	—	●	●	●	●	●	●	●	+
24Δ105	Arabic Bold Condensed	●	—	—	—	—	—	●	●	●
24Δ107	Century Bold	—	●	●	●	●	●	●	●	+

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(50) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
24Δ 113	Bodoni Condensed	●	●	●	●	●	●	●	●	●
24Δ 115	Bodoni Book	●	●	●	●	●	●	●	●	●
24Δ 117	Cheltenham Bold Italic	—	●	●	●	●	●	●	●	+
24Δ 119	Caslon Bold Condensed	—	●	●	●	●	●	●	●	●
24Δ 121	Bodoni Bold	—	●	●	●	●	●	●	●	+
24Δ 123	Cheltenham Bold Condensed	●	●	●	●	●	●	●	●	●
24Δ 125	Caslon Old Face Italic	—	●	●	●	●	●	●	●	+
24Δ 127	Caslon Old Face	—	●	●	●	●	●	●	●	+
24Δ 129	Servian Caption	●	—	—	—	—	—	●	●	●
24Δ 131	Century Bold Italic	—	●	●	●	●	●	●	●	+
24Δ 133	Elzevir No. 3	—	●	●	●	●	●	●	●	+
24Δ 135	Antique No. 1	—	●	●	●	●	●	●	●	+
24Δ 137	Century Expanded	—	●	●	●	●	●	●	●	+
24Δ 139	Gothic No. 16	—	●	●	●	●	●	●	●	+
24Δ 141	De Vinne Outline	—	●	●	●	●	●	●	●	+
24Δ 143	Title No. 2	—	●	●	●	●	●	●	●	+
24Δ 145	Arabic	●	—	—	—	—	—	●	●	●
24Δ 147	Bodoni Bold Italic	—	●	●	●	●	●	●	●	+
24Δ 155	Arabic Bold	●	—	—	—	—	—	●	●	●
24Δ 157	De Vinne Condensed	—	●	●	●	●	●	●	●	●
24Δ 159	Cheltenham Italic	—	●	●	●	●	●	●	●	+
24Δ 161	Bodoni Bold, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ 165	Cheltenham Extra Condensed Italic	●	●	●	●	●	●	●	●	●
24Δ 167	Bodoni Book Italic	—	●	●	●	●	●	●	●	●
24Δ 169	Bodoni Italic	—	●	●	●	●	●	●	●	+
24Δ 171	Scotch	—	●	—	●	●	●	●	+	+
24Δ 173	Cheltenham Bold Condensed Italic	—	●	●	●	●	●	●	●	●
24Δ 175	Caslon No. 3	—	—	—	●	●	●	●	+	+
24Δ 177	Caslon No. 3 Italic	—	—	—	●	●	●	●	+	—
24Δ 179	Benedictine	—	●	●	●	●	●	●	●	+
24Δ 181	Benedictine Italic	—	●	●	●	●	●	●	●	+
24Δ 185	Benedictine Book	—	●	●	●	●	●	●	●	+
24Δ 187	Gothic No. 13, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ 189	Benedictine Book Italic	—	●	●	●	●	●	●	●	+
24Δ 191	Cheltenham Bold Extra Con- densed, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ 193	Benedictine Bold	—	—	—	●	●	●	●	+	+
24Δ 195	Cheltenham, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ 197	Benedictine Bold Italic	—	—	—	●	●	●	●	+	+
24Δ 199	Clearface Bold	—	●	●	●	●	●	●	●	+
24Δ 201	Clearface Bold Italic	—	●	●	●	●	●	●	●	+
24Δ 205	Metromedium	—	●	●	●	●	●	●	●	+
24Δ 207	Cloister Bold	—	●	●	●	●	●	●	●	+
24Δ 209	Cloister Bold Italic	—	●	●	●	●	●	●	●	+
24Δ 211	Narciss	—	●	●	●	●	●	●	+	+
24Δ 215	Gothic No. 38	—	—	—	●	●	●	●	+	+

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
24Δ 217	Arabic Old Style	●	—	—	—	—	—	●	●	●
24Δ 219	Mid Gothic, Superior Figs.	●	—	●	—	—	—	●	●	●
24Δ 221	Arabic Bold Old Style	●	—	—	—	—	—	●	●	●
24Δ 223	Cloister	—	●	●	●	●	●	●	●	+
24Δ 225	Cloister Italic	—	●	●	●	●	●	●	●	+
24Δ 227	Garamond	—	●	●	●	●	●	●	●	+
24Δ 229	Garamond Italic	—	●	●	●	●	●	●	●	+
24Δ 235	Garamond Bold	—	●	●	●	●	●	●	●	+
24Δ 237	Garamond Bold Italic	—	—	●	●	●	●	●	+	+
24Δ 241	Bodoni Bold Condensed	●	●	●	●	●	●	●	●	●
24Δ 243	Ionic Condensed	●	●	●	●	●	●	●	●	●
24Δ 249	Hebrew No. 3	—	—	●	—	—	—	●	●	●
24Δ 251	Hebrew No. 3 Italic	—	—	●	—	—	—	●	●	●
24Δ 255	Pabst Extra Bold, Adv. Figs.	—	—	—	—	●	—	●	●	—
24Δ 257	Poster Bodoni	—	—	—	●	●	●	●	+	—
24Δ 259	Pabst Extra Bold	—	—	—	●	●	●	●	+	—
24Δ 261	Vulcan Bold	—	—	—	●	●	●	●	+	—
24Δ 263	Vulcan Bold Italic	—	—	—	●	●	●	●	+	—
24Δ 265	Armenian Title No. 1	—	—	—	—	—	—	●	●	—
24Δ 267	Metroblack	—	—	●	●	●	●	●	●	+
24Δ 269	Metrolite	—	—	●	●	●	●	●	●	+
24Δ 271	Cloister Bold, Adv. Figs.	◆	—	●	—	—	—	●	●	●
24Δ 273	Bodoni Bold Italic, Adv. Figs.	◆	—	●	—	—	—	●	●	●
24Δ 275	Metrothin	—	●	●	●	●	●	●	●	+
24Δ 277	Metroblack, Adv. Figs.	—	—	●	—	—	—	●	●	●
24Δ 279	Pabst Extra Bold Condensed	—	●	●	●	●	●	●	●	+
24Δ 281	Metroblack No. 2	—	—	●	●	●	●	●	●	+
24Δ 283	Metrolite No. 2	—	—	●	●	●	●	●	●	+
24Δ 285	Metromedium No. 2	—	●	●	●	●	●	●	●	+
24Δ 287	Metrothin No. 2	—	●	●	●	●	●	●	●	+
24Δ 289	Pabst Extra Bold Condensed, Adv. Figs.	◆	—	●	—	—	—	●	●	●
24Δ 291	Poster Bodoni, Adv. Figs.	—	—	—	—	—	—	●	●	—
24Δ 295	Erbar Bold Condensed	●	●	●	●	●	●	●	●	●
24Δ 297	Caslon Bold Extra Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
24Δ 299	Erbar Light Condensed	●	●	●	●	●	●	●	●	●
24Δ 301	Memphis Light	—	—	●	●	●	●	●	+	+
24Δ 303	Memphis Bold	—	—	●	●	●	●	●	+	+
24Δ 305	Metromedium, Adv. Figs.	◆	—	●	—	—	—	●	●	●
24Δ 307	Teletype Bodoni Bold	—	●	●	●	●	●	●	●	—
24Δ 309	Gothic No. 39, Adv. Figs.	—	—	●	—	—	—	●	●	●
24Δ 311	Gothic No. 40, Adv. Figs.	—	—	●	—	—	—	●	●	●
24Δ 313	Gothic No. 41, Adv. Figs.	—	—	—	—	●	—	●	●	●
24Δ 315	Gothic No. 39, Figures, Auxiliary Position	—	—	●	—	●	—	●	●	●
24Δ 317	Gothic No. 40, Figures, Auxiliary Position	—	—	●	—	●	—	●	●	●

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(52) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
24Δ319	Gothic No. 41, Figures, Auxiliary Position	—	—	—	—	●	—	●	●	●
24Δ321	Granjon	—	●	●	●	●	—	●	●	+
24Δ323	Granjon Italic	—	●	●	●	●	—	●	●	+
24Δ325	Metrothin Italic	—	●	●	●	●	—	●	●	+
24Δ327	Metrolite Italic	—	●	●	●	●	—	●	●	+
24Δ329	Memphis Light, Adv. Figs.	◆	—	●	—	●	—	●	●	●
24Δ331	Cheltenham Medium Condensed	●	●	●	●	●	—	●	●	●
24Δ333	Memphis Extra Bold	—	—	—	—	●	—	—	+	—
24Δ335	Caslon Italic	—	—	—	—	●	—	—	+	+
24Δ339	Garamond Bold No. 3	—	●	●	●	●	—	●	●	+
24Δ345	Memphis Bold, Adv. Figs.	◆	—	●	—	●	—	—	●	+
24Δ349	Memphis Medium	—	—	●	—	●	—	—	+	+
24Δ351	Franklin Gothic	—	—	—	—	●	—	—	+	+
24Δ353	Erbar Medium Condensed	●	●	●	●	●	—	●	●	●
24Δ355	Memphis Extra Bold, Adv. Figs.	—	—	●	—	—	—	●	●	◆
24Δ357	Servian Caslon No. 3	—	—	—	—	—	—	—	—	—
24Δ359	Greek Erbar Light Condensed, Caps and Figures	—	—	—	—	—	—	●	●	—
24Δ361	Erbar Bold Condensed, Adv. Figs.	●	—	●	—	●	—	●	●	●
24Δ683	Granjon	—	●	●	●	●	—	●	●	+
24Δ840	Granjon Italic	—	●	●	●	●	—	●	●	+
26 POINT										
26Δ1	Arabic	●	—	—	—	—	—	●	●	●
26Δ3	Borders	—	—	—	—	—	—	—	—	—
27 POINT										
27Δ1	Bodoni Bold	—	●	●	●	●	—	●	●	+
28 POINT										
28Δ1	Gothic No. 14, Caps and Figures	●	—	●	—	●	—	●	●	●
28Δ3	Gothic No. 14B, Caps and Figures	●	—	●	—	●	—	●	●	●
28Δ5	Gothic Condensed No. 3, Caps and Figures	●	—	●	—	●	—	●	●	●
28Δ9	Hebrew Condensed	●	—	●	—	●	—	●	●	●
28Δ11	Russian Antique No. 14	●	—	—	—	—	—	●	●	●
28Δ13	Borders	—	—	—	—	—	—	—	—	—
28Δ17	Hebrew	—	—	—	—	●	—	●	—	—
28Δ19	Erbar Bold Condensed	●	●	●	●	●	—	●	●	●
28Δ21	Erbar Light Condensed	●	●	●	●	●	—	●	●	●
28Δ23	Erbar Medium Condensed	●	●	●	●	●	—	●	●	●
28Δ25	Greek Erbar Light Condensed, Caps and Figures	—	—	—	—	—	—	●	●	—

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30 POINT		90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
TRIANGLE NO.	NAME OF FACE									
30Δ1	Gothic Condensed No. 3, Caps and Figures	●	—	●	—	●	—	●	●	●
30Δ3	Gothic Condensed No. 2	●	●	●	●	●	—	●	●	●
30Δ7	Cheltenham Bold Extra Con- densed	●	●	●	●	●	—	●	●	●
30Δ9	Latin Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
30Δ19	Latin Compressed, Caps and Figures	●	—	●	—	●	—	●	●	●
30Δ23	Bold Face No. 6, Adv. Figs.	—	—	—	—	—	—	●	●	●
30Δ25	Century Bold, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ27	Russian Antique Black Con- densed No. 2	●	—	—	—	—	—	●	●	●
30Δ29	Bodoni	—	—	●	●	●	—	●	+	+
30Δ31	Cheltenham Bold	—	—	●	●	●	—	●	+	+
30Δ33	Gothic No. 16, Adv. Figs.	—	—	—	—	—	—	●	—	—
30Δ37	Gothic No. 13, Adv. Figs.	◆	—	●	—	●	—	●	●	●
30Δ39	De Vinne Condensed, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ41	Elzevir No. 2	—	—	●	●	●	—	●	●	+
30Δ43	Cheltenham Bold Condensed, Adv. Figs.	◆	—	●	—	●	—	●	●	●
30Δ49	Servian Antique Black Con- densed No. 2	●	—	—	—	—	—	●	●	●
30Δ51	Mid Gothic, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ53	Condensed Outline, Caps and Figures	●	—	●	—	●	—	●	●	●
30Δ55	Cheltenham	—	●	●	●	●	—	●	+	+
30Δ59	Gothic No. 13	●	●	●	●	●	—	●	●	●
30Δ61	Borders	—	—	—	—	—	—	—	—	—
30Δ63	Gothic No. 16, Hebrew Align- ment, Figures	—	—	—	—	—	—	●	—	—
30Δ67	Coslon Bold Condensed	—	—	●	●	●	—	●	●	+
30Δ69	Bodoni Bold	—	—	●	●	●	—	●	+	+
30Δ71	Cheltenham Bold Condensed	—	●	●	●	●	—	●	●	+
30Δ75	Century Bold Extra Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
30Δ79	Poster Bodoni	—	—	—	—	—	—	●	—	—
30Δ83	De Vinne Condensed	—	●	●	●	●	—	●	●	+
30Δ87	Bodoni Bold, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ89	Century Bold	—	—	—	●	●	—	●	+	—
30Δ91	Century Bold Italic	—	—	—	●	●	—	●	+	—
30Δ93	Gothic No. 16	—	—	—	●	●	—	●	+	—
30Δ95	Cheltenham Bold Italic	—	—	—	●	●	—	●	+	—
30Δ97	Cheltenham Italic	—	●	—	●	●	—	●	+	+
30Δ99	Gothic No. 13, Hebrew Align- ment, Figures	●	—	●	—	●	—	●	●	●
30Δ101	Cheltenham Extra Condensed Italic	—	●	●	●	●	—	●	●	+

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(54) USEFUL MATRIX INFORMATION

TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
30Δ103	Bodoni Book Italic	—	●	●	●	●	●	●	+	+
30Δ105	Bodoni Italic	—	—	—	●	●	●	●	+	+
30Δ107	Scotch	—	—	—	●	●	●	●	+	—
30Δ109	Bodoni Book	—	●	●	●	●	●	●	●	+
30Δ111	Cheltenham Bold Condensed Italic	—	●	●	●	●	●	●	+	+
30Δ113	Caslon No. 3	—	—	—	●	●	●	●	—	—
30Δ115	Caslon No. 3 Italic	—	—	—	●	●	●	●	+	—
30Δ119	Benedictine	—	—	—	●	●	●	●	+	+
30Δ121	Benedictine Italic	—	—	—	●	●	●	●	+	—
30Δ123	Bodoni Bold Italic	—	—	—	●	●	●	●	+	—
30Δ127	Latin Extra Condensed, Caps and Figures	●	—	—	—	●	—	●	●	●
30Δ129	Caslon Old Face	—	—	—	●	●	●	●	+	+
30Δ131	Benedictine Book	—	—	—	●	●	●	●	+	+
30Δ135	Benedictine Book Italic	—	—	—	●	●	●	●	+	—
30Δ139	Benedictine Bold	—	—	—	●	●	●	●	+	—
30Δ141	Hebrew Condensed	●	—	●	—	—	—	●	●	●
30Δ143	Benedictine Bold Italic	—	—	—	●	●	●	●	+	—
30Δ145	Clearface Bold	—	—	—	●	●	●	●	+	+
30Δ147	Clearface Bold Italic	—	—	—	●	●	●	●	+	+
30Δ149	Cheltenham, Adv. Figs.	—	—	●	—	—	—	●	●	●
30Δ151	Cheltenham Bold No. 2	—	—	—	—	—	—	●	+	+
30Δ153	Bodoni Condensed	—	●	●	●	●	●	●	●	+
30Δ155	Cloister Bold	—	—	—	●	●	●	●	+	+
30Δ157	Cloister Bold Italic	—	—	—	●	●	●	●	+	+
30Δ159	Narciss	—	—	—	●	●	●	●	+	—
30Δ161	Cloister	—	●	—	●	●	●	●	+	+
30Δ163	Cloister Italic	—	●	—	●	●	●	●	+	+
30Δ165	Garamond	—	—	—	●	●	●	●	+	+
30Δ167	Garamond Italic	—	—	—	●	●	●	●	+	+
30Δ173	Garamond Bold	—	—	—	●	●	●	●	+	—
30Δ175	Garamond Bold Italic	—	—	—	●	●	●	●	+	—
30Δ179	Cheltenham Bold, Adv. Figs.	—	—	●	—	—	—	●	●	●
30Δ181	Gothic Condensed No. 4, Caps and Figures	●	—	●	—	●	—	●	●	●
30Δ183	Bodoni Bold Condensed	—	●	●	●	●	●	●	●	+
30Δ185	Ionic Condensed	●	●	●	●	●	●	●	●	●
30Δ187	Cheltenham Condensed	—	●	●	●	●	●	●	●	+
30Δ193	Metroblack	—	—	—	●	●	●	●	+	—
30Δ195	Cloister Bold, Adv. Figs.	—	—	●	—	—	—	●	●	●
30Δ197	Metro-lite	—	—	—	●	●	●	●	+	—
30Δ201	Pabst Extra Bold (Figures Only)	—	—	—	●	—	—	●	—	—
30Δ203	Metro-medium	—	—	—	●	●	●	●	+	+
30Δ205	Metrothin	—	—	—	●	●	●	●	+	+
30Δ207	Pabst Extra Bold Condensed	—	—	●	●	●	●	●	+	+
30Δ209	Metroblack No. 2	—	—	—	●	●	●	●	+	—
30Δ211	Metro-lite No. 2	—	—	—	●	●	●	●	+	—

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
30Δ213	Metromedium No. 2	—	—	—	●	●	●	●	+	+
30Δ215	Metrothin No. 2	—	—	—	●	●	●	●	+	+
30Δ217	Pabst Extra Bold, Adv. Figs. (auxiliary position)	—	—	—	—	—	—	●	—	—
30Δ219	Caslon Bold Extra Condensed, Caps and Figures	●	—	●	—	●	—	●	●	●
30Δ221	Pabst Extra Bold Condensed, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ223	Memphis Light	—	—	—	●	●	●	●	+	—
30Δ225	Memphis Bold	—	—	—	●	●	●	●	+	—
30Δ227	Metromedium, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ229	Teletype Bodoni Bold	—	—	●	●	●	●	●	—	—
30Δ231	Gothic No. 39, Adv. Figs.	—	—	—	—	●	—	●	●	—
30Δ233	Gothic No. 40, Adv. Figs.	—	—	—	—	●	—	●	●	—
30Δ235	Gothic No. 41, Adv. Figs.	—	—	—	—	—	—	●	—	—
30Δ237	Poster Bodoni, Adv. Figs.	—	—	—	—	—	—	●	—	—
30Δ239	Gothic No. 39, Figures (auxiliary position)	—	—	—	—	●	—	●	●	—
30Δ241	Gothic No. 40, Figures (auxiliary position)	—	—	—	—	●	—	●	●	—
30Δ243	Gothic No. 41, Figures (auxiliary position)	—	—	—	—	—	—	●	—	—
30Δ245	Granjon	—	—	—	●	●	●	●	+	+
30Δ247	Metrolite Italic	—	—	●	●	●	●	●	+	+
30Δ249	Metrothin Italic	—	—	●	●	●	●	●	+	+
30Δ251	Metroblack, Adv. Figs.	—	—	—	—	—	—	●	—	—
30Δ253	Cheltenham Medium Condensed	—	●	●	●	●	●	●	●	+
30Δ255	Caslon Italic	—	—	—	●	●	●	●	+	—
30Δ261	Garamond Bold No. 3	—	—	—	●	●	●	●	+	+
30Δ265	Memphis Bold, Adv. Figs.	—	—	—	—	—	—	●	●	●
30Δ269	De Vinne Outline	—	—	—	●	●	●	●	+	—
30Δ271	Memphis Medium	—	—	—	●	●	●	●	+	—
30Δ273	Gothic Condensed No. 3B, Caps, Figures and Points	●	—	●	—	●	—	●	●	●
30Δ275	Memphis Light, Adv. Figs.	—	—	●	—	●	—	●	●	●
30Δ277	Memphis Extra Bold	—	—	—	●	●	●	●	—	—
30Δ285	Memphis Extra Bold, Adv. Figs.	—	—	—	—	●	—	●	●	—
30Δ685	Granjon	—	—	—	●	●	●	●	+	+
34 POINT										
34Δ1	Gothic No. 14, Caps and Figures	●	—	●	—	●	—	●	●	●
34Δ3	Gothic Condensed No. 3, Caps and Figures	●	—	●	—	●	—	●	●	●
34Δ5	Russian Antique No. 14	●	—	—	—	—	—	●	●	●
34Δ9	Armenian Gothic Condensed No. 2	—	—	—	—	—	—	●	●	—
34Δ11	Erbar Bold Condensed	—	●	●	●	●	●	●	●	●
34Δ13	Erbar Light Condensed	—	●	●	●	●	●	●	●	●

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
34Δ15	Erbar Medium Condensed	—	●	●	●	●	●	●	●	●
34Δ17	Greek Erbar Light Condensed, Caps and Figures	—	—	—	—	—	—	●	●	—
36 POINT										
36Δ1	Gothic Condensed No. 3	●	●	●	●	●	●	●	●	●
36Δ3	Gothic No. 14, Caps and Figures	●	—	●	—	●	—	●	●	●
36Δ5	Caption	●	●	●	●	●	●	●	●	●
36Δ9	Hebrew Condensed	●	—	●	—	●	—	●	●	●
36Δ13	Gothic Condensed No. 2, Adv. Figs.	—	—	●	—	●	—	●	●	●
36Δ15	Bold Face No. 6, Adv. Figs.	—	—	—	—	—	—	●	—	—
36Δ17	Bodoni	—	—	—	●	—	—	—	+	—
36Δ19	Russian Caption	●	—	—	—	—	—	●	●	●
36Δ23	Gothic Condensed No. 2	●	●	●	●	●	●	●	●	●
36Δ29	De Vinne Condensed, Adv. Figs.	—	—	—	—	—	—	●	●	—
36Δ31	Elzevir No. 2	—	—	—	●	●	●	—	+	—
36Δ33	Cheltenham Bold	—	—	—	—	●	●	●	—	—
36Δ35	Borders	—	—	—	—	—	—	—	—	—
36Δ43	Cheltenham	—	—	—	●	●	●	●	+	—
36Δ45	Cheltenham Bold Extra Con- densed	●	●	●	●	●	●	●	●	●
36Δ55	Century Bold	—	—	—	●	●	●	●	—	—
36Δ59	Gothic No. 16	—	—	—	—	●	●	●	—	—
36Δ61	Gothic No. 13	—	●	●	●	●	●	●	●	+
36Δ65	Bodoni Bold	—	—	—	—	—	—	●	+	—
36Δ67	Hebrew	—	—	—	—	—	—	—	—	—
36Δ73	Cheltenham Bold Condensed	—	—	—	●	●	●	●	+	—
36Δ79	Benedictine	—	—	—	●	—	—	●	+	—
36Δ81	Caslon Old Face	—	—	—	—	—	—	●	+	—
36Δ83	Benedictine Book	—	—	—	●	●	●	●	+	—
36Δ85	Latin Condensed, Caps and Figures	—	—	●	—	●	—	●	●	—
36Δ87	Benedictine Bold	—	—	—	—	—	—	●	—	—
36Δ89	Narciss	—	—	—	—	—	—	●	—	—
36Δ91	Cloister	—	—	—	—	—	—	●	+	+
36Δ93	Garamond	—	—	—	●	—	—	●	—	—
36Δ97	Garamond Bold	—	—	—	—	—	—	●	—	—
36Δ99	Ionic Condensed	—	●	●	—	●	—	●	●	●
36Δ103	Metroblack	—	—	—	—	—	—	●	—	—
36Δ105	Metrolite	—	—	—	—	—	—	●	—	—
36Δ109	Metromedium	—	—	—	●	●	—	●	+	—
36Δ111	Metrothin	—	—	—	●	●	—	●	+	—
36Δ113	Pabst Extra Bold, Adv. Figs.	—	—	—	—	—	—	●	—	—
36Δ115	Metroblack No. 2	—	—	—	—	—	—	●	—	—
36Δ117	Metrolite No. 2	—	—	—	—	—	—	●	—	—
36Δ119	Metromedium No. 2	—	—	—	●	●	—	●	+	—
36Δ121	Metrothin No. 2	—	—	—	●	●	—	●	+	—

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
36Δ 123	Poster Bodoni	-	-	-	-	-	-	+	-	-
36Δ 125	Pabst Extra Bold Condensed	-	-	-	•	•	•	•	+	-
36Δ 127	Memphis Light	-	-	-	-	-	•	•	-	-
36Δ 129	Memphis Bold	-	-	-	-	-	•	•	-	-
36Δ 131	Gothic No. 39, Adv. Figs.	-	-	-	-	-	-	•	-	-
36Δ 133	Gothic No. 40, Adv. Figs.	-	-	-	-	-	-	•	-	-
36Δ 135	Gothic No. 41, Adv. Figs.	-	-	-	-	-	-	•	-	-
36Δ 137	Cloister Bold	-	-	-	•	•	•	•	+	-
36Δ 139	Cloister Bold Italic	-	-	-	•	•	•	•	+	-
36Δ 143	Caslon Bold Condensed	-	-	-	•	•	•	•	+	-
36Δ 145	Bodoni Bold Condensed	-	-	•	•	•	•	•	+	+
36Δ 147	Caslon	-	-	-	•	•	•	•	+	-
36Δ 149	Century Bold Italic	-	-	-	-	-	•	•	-	-
36Δ 157	Cheltenham Bold Condensed Italic, Caps and Figures	-	-	-	-	•	-	•	-	-
36Δ 159	De Vinne Outline	-	-	-	-	•	•	•	-	-
36Δ 161	Memphis Extra Bold, Adv. Figs.	-	-	-	-	-	-	•	-	-
36Δ 638	Granjon	-	-	-	•	•	•	•	+	-
42 POINT										
42Δ 1	Gothic No. 14, Caps and Figures	•	-	•	-	•	-	•	•	•
42Δ 5	Russian Antique No. 14	-	-	-	-	-	-	•	•	-
42Δ 7	Gothic No. 16, Adv. Figs.	-	-	-	-	-	-	•	-	-
42Δ 9	Cheltenham Bold, Adv. Figs.	-	-	-	-	-	-	•	-	-
42Δ 11	Century Bold, Adv. Figs.	-	-	-	-	-	-	•	-	-
42Δ 13	Cheltenham Bold Condensed, Adv. Figs.	-	-	-	-	•	-	•	•	-
42Δ 15	De Vinne Condensed, Adv. Figs.	-	-	-	-	•	-	•	•	-
42Δ 17	Servian Antique No. 14	-	-	-	-	-	-	•	•	-
42Δ 21	Cheltenham Bold Extra Con- densed, Caps and Figures	•	-	•	-	•	-	•	•	•
42Δ 25	Gothic Condensed No. 4, Caps and Figures	•	-	•	-	•	-	•	•	•
42Δ 27	Gothic Condensed No. 2, Caps and Figures	-	-	•	-	•	-	•	•	•
42Δ 29	Hebrew Condensed	-	-	-	-	-	-	•	-	-
42Δ 35	Ionic Extra Condensed, Caps and Figures	-	-	•	-	•	-	•	•	•
42Δ 37	Pabst Extra Bold Condensed, Adv. Figs.	-	-	-	-	•	-	•	-	-
42Δ 39	Gothic No. 39, Adv. Figs.	-	-	-	-	-	-	•	-	-
42Δ 41	Gothic No. 40, Adv. Figs.	-	-	-	-	-	-	•	-	-
42Δ 43	Gothic No. 41, Adv. Figs.	-	-	-	-	-	-	•	-	-
42Δ 45	Hebrew Extra Condensed	-	-	-	-	-	-	•	-	-
42Δ 47	Erbar Light Condensed	-	-	•	•	•	•	•	•	+
42Δ 49	Erbar Bold Condensed	-	-	-	•	•	•	•	+	-
42Δ 51	Cloister Bold, Adv. Figs.	-	-	-	-	-	-	•	-	-
42Δ 53	Gothic No. 13, Adv. Figs.	-	-	-	-	•	-	•	•	-

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TRIANGLE NO.	NAME OF FACE	90-CHANNEL	90-CHANNEL L. C. IN CAP CHAN.	72-CHANNEL	72-CHANNEL L. C. IN CAP CHAN.	WIDE 72-CHANNEL	WIDE 72-CHANNEL L. C. IN CAP CHAN.	WIDE 34-CHANNEL AUXILIARY	34-CHANNEL AUXILIARY	28-CHANNEL AUXILIARY
42Δ55	Greek Erbar Light Condensed, Caps and Figures	—	—	—	—	—	—	●	●	—
42Δ57	Bodoni Bold	—	—	—	—	—	—	●	—	—
42Δ59	Erbar Medium Condensed	—	—	●	●	●	●	●	●	+
*48 POINT										
48Δ1	Gothic No. 14, Caps and Figures	—	—	●	—	●	—	●	●	●
48Δ3	Gothic Condensed No. 3, Caps and Figures	—	—	●	—	●	—	●	●	●
48Δ9	Cheltenham Bold Extra Con- densed, Caps and Figures	—	—	●	—	●	—	●	●	—
48Δ11	Pabst Extra Bold Condensed, Caps and Figures	—	—	—	—	—	—	●	—	—
48Δ13	Pabst Extra Bold Condensed No. 1, Caps and Figures	—	—	—	—	—	—	●	—	—
48Δ15	Erbar Bold Condensed	—	—	—	●	●	●	●	—	—
48Δ17	Erbar Light Condensed	—	—	—	●	●	●	●	+	+
48Δ19	Erbar Bold Condensed No. 1, Caps and Figures	—	—	—	—	●	—	●	—	—
48Δ21	Gothic No. 13	—	—	—	—	—	—	●	—	—
48Δ23	Memphis Extra Bold, Adv. Figs.	—	—	—	—	—	—	—	—	—
48Δ687	Granjon, Caps and Figures	—	—	—	—	—	—	—	—	—
*54 POINT										
54Δ1	Gothic No. 14, Caps and Figures	—	—	●	—	●	—	●	●	●
54Δ3	Erbar Light Condensed, Caps and Figures	—	—	—	—	●	—	●	—	—
54Δ5	Erbar Bold Condensed, Caps and Figures	—	—	—	—	●	—	●	—	—
*60 POINT										
60Δ1	Gothic No. 14, Caps and Figures	—	—	●	—	●	—	●	●	—
60Δ3	Cheltenham Bold Condensed, Caps and Figures	—	—	—	—	●	—	●	—	—
60Δ5	Gothic Condensed No. 3, Caps and Figures	—	—	●	—	●	—	●	●	—
60Δ7	Erbar Light Condensed, Caps and Figures	—	—	—	—	●	—	●	—	—
60Δ9	Erbar Bold Condensed, Caps and Figures	—	—	—	—	—	—	●	—	—

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* These faces, except 48Δ13 and 48Δ19, are on 45 point alignment and require the 41 to 45 point mold for casting.

Suggested Font Schemes

On the following pages are shown thirty-five different font arrangements for two-letter and display matrices, each of which is designed to meet specific requirements in the entire field of Linotype composition. The quantities suggested for each character are based on the normal frequency of use of that character in the class of work to which a given font arrangement is best adapted. The quantities suggested are the minimum which can ordinarily be used with economy, although in some cases the list of characters may be modified to suit individual requirements. Under Display font schemes note that List A faces run in 90-channel magazines, while List B faces run only in 72-channel or auxiliary magazines.

TWO-LETTER FACES, 90-CHANNEL MAGAZINE

No. 1. For all-purpose use, such as book, catalog, advertising, newspaper and composition in small faces set wide measure. For full-length magazine. 1500 matrices.

No. 2. The same as No. 1, with the elimination of certain reference and other characters that are infrequently used. A good serviceable font for large or small faces in any measure. For full-length magazine. 1200 matrices.

No. 3. For news composition. Not suitable for book work. Quantities suggested for each character scientifically correct according to normal frequency of use in newspaper composition. For full-length magazine. 1100 matrices.

No. 50. Suggested for three-quarter length magazine. Similar to No. 2 font but with quantity of characters reduced for use in three-quarter length magazine. 1000 matrices.

No. 4. Suggested for use in split magazine straight matter or job composition in faces 10 to 14 point. Also a serviceable font for smaller faces if speed and wide measures are not essential. 790 matrices.

No. 5. A two-letter cap font consisting of caps, figures and points. For full- or three-quarter length magazine. 677 matrices.

No. 6. A cap font of Lining Gothics or other job faces to run in the magazine. See No. 21 for job font. For split magazine. 509 matrices.

No. 7. Provides for three complete cap fonts of Lining Gothics in one magazine. Keyboard diagram No. 98. Quantities or variety of side sorts may be changed to suit requirements. For split magazine. 1469 matrices.

No. 7A. Provides for cap font of Lining Gothic when same is to run in cap channels. Keyboard diagram No. 98. For split magazine. 485 matrices.

No. 7B. Provides for cap font of Lining Gothic when same is to run in small cap channels. Keyboard diagram No. 98. For split magazine. 514 matrices.

No. 7C. Provides for cap font of Lining Gothic when same is to run in lower case channels. Keyboard diagram No. 98. For split magazine. 470 matrices.

No. 8. Provides for two complete cap fonts (caps and figures) of Lining Gothics in one magazine. Keyboard diagram No. 138. Quantities or variety of side sorts may be changed to suit requirements. For split magazine. 979 matrices.

No. 8A. Provides for cap font (caps and figures) Lining Gothic when same is to run in right side of magazine. Keyboard diagram No. 138. For split magazine. 509 matrices.

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No. 8B. Provides for cap font (caps and figures) Lining Gothic when same is to run in left side of magazine. Keyboard diagram No. 138. For split magazine. 470 matrices.

TWO-LETTER FACES. 72-CHANNEL MAGAZINE

No. 13. This font is suggested for use in a full-length 72-channel magazine of a display machine where it is to be used part time on news matter. Two channels of lower-case "e" are included. 1200 two-letter matrices.

No. 47. For use in a three-quarter length 72-channel magazine of a display machine where it is to be used part time on news matter. Two channels of lower case "e" are included. 900 two-letter matrices.

No. 14. Designed for 12 or 14 point two-letter advertising faces in 72-channel split magazine. Two channels of lower case "e" are included. 701 two-letter matrices.

DISPLAY FACES. 90-CHANNEL MAGAZINE

No. 9. This is an all-purpose arrangement for List A faces where a large amount of composition is required. The No. 10 arrangement suggests a good font if a smaller quantity can be used. For full- or three-quarter length magazine. 770 matrices.

No. 10. Same as No. 9 except that quantities are reduced for split magazine. Used for all display faces on List A that will run in standard 90-channel magazine. 636 matrices.

No. 11. Cap font for full-length 90-channel magazine. Used for all display faces on List A. 619 matrices.

No. 12. Cap font for split 90-channel magazine. Used for all display faces on List A. 446 matrices.

DISPLAY FACES. 72-CHANNEL MAGAZINE

No. 17. Suggested for use in a full- or three-quarter length 72-channel magazine on display machines, where display is to be set continuously and comparatively condensed faces are used. Two channels of lower-case "e" and 15 extra thick spaces are included. 690 matrices.

No. 15. The regular font arrangement for display faces in 72-channel split magazine. There are two channels of lower-case "e" and a channel of extra thick spaces. 565 matrices.

No. 16. A font of caps, figures and points for use in a 72-channel split magazine. 414 matrices.

DISPLAY FACES. 55-CHANNEL ARRANGEMENT

No. 20. Full- or three-quarter length magazine font extended display faces that run in 55-channel layout of 72-channel magazine. 653 matrices.

No. 18. Split magazine font adapted to large extended display faces which run in the 55-channel layout of 72-channel magazine. 462 matrices.

No. 19. Cap font for extended display faces which run in the 55-channel layout of 72-channel split magazine. 338 matrices.

DISPLAY FACES. WIDE 72-CHANNEL MAGAZINE

No. 49. The regular font arrangement for display faces in wide 72-channel magazine. There are two channels of lower-case "e" and a channel of extra thick spaces. 630 matrices.

TWO-LETTER OR DISPLAY FACES. JOB FONTS

No. 21 and 21A. There is no limit to the amount and variety of small jobs that can be set economically and profitably on the Linotype by means of small job fonts of matrices. This arrangement as to variety of characters and quantities of matrices is merely suggestive, and it may be varied to suit your needs. These fonts are useful for setting side heads, cards, envelope corners, and an almost unlimited variety of small jobs that would otherwise tie up a lot of expensive material.

A small 10-drawer steel cabinet (X-1587) has been especially designed for the use of matrix job fonts. Each drawer has 58 compartments, sufficient for a complete font of caps and lower case. In addition there is an undivided auxiliary drawer at the bottom for tool-storage. The cabinet can be set under the sorts stacker of the machine or any location most convenient for setting and distribution without leaving the keyboard.

TWO-LETTER OR DISPLAY FACES. AUXILIARY MAGAZINE

No. 22. Regular font arrangement for all styles of auxiliary magazines and of all sizes of face. 289 matrices.

No. 23. A font scheme where caps and figures run in one auxiliary magazine with lower case and points in another auxiliary magazine. Can be used for both display and two-letter. 490 matrices.

COMBINATION FONT SCHEMES. 90-CHANNEL SPLIT MAGAZINE

No. 59. A set of caps and points of two-letter or display (List A) faces running in cap or center channels of 90-channel magazine. Figures run pi. Keyboard diagram No. 6 or 22. 360 matrices.

No. 52. A set of caps and points of two-letter or display (List A) faces running in lower-case channels of 90-channel magazine. Figures run pi. Keyboard diagram No. 6 or 22. 390 matrices.

No. 53. A set of caps, lower-case and points of two-letter or display (List A) faces running in center and lower-case, or cap and lower-case channels of 90-channel magazine. Figures run pi. Keyboard diagram No. 6 or 22. 660 matrices.

No. 54. A set of caps, lower-case and points of two-letter roman with italic and small cap faces, running in lower-case and center channels, or lower-case and cap channels of 90-channel magazine. Figures run pi. Keyboard diagram No. 6 or 22. 770 matrices.

(62) USEFUL MATRIX INFORMATION

COMBINATION FONT SCHEMES

90-CHANNEL SPLIT AND AUXILIARY MAGAZINE

No. 24. Set of display caps, lower-case and figures, running lower-case in cap channels of 90-channel magazine with caps and figures in auxiliary magazine. 570 matrices.

No. 56. A set of display caps, lower-case, figures and points, running lower-case and points in cap and center channels (Diagram No. 135) of 90-channel magazine, with caps and figures in auxiliary magazine. 600 matrices.

No. 55. A set of display caps, lower-case, figures and points, running lower-case and points in lower-case and center channels (Diagram No. 135) of 90-channel magazine, with caps and figures in auxiliary magazine. 667 matrices.

COMBINATION FONT SCHEMES

72-CHANNEL SPLIT AND AUXILIARY MAGAZINE

No. 57. A set of display caps, lower-case, figures and points, running lower-case and points in left side of 72-channel magazine (Diagram No. 149), with caps and figures in auxiliary magazine. 550 matrices.

No. 58. A set of display caps, lower-case, figures and points, running lower-case and points in right side of 72-channel magazine (Diagram No. 149), with caps and figures in auxiliary magazine. 510 matrices.

90-Channel Full Length Magazine

1 TWO-LETTER FACES. 1500 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD										SORTS	
20 a	20 n	18 A	15 N	20 1	10 fi	20 ' 4 Z	5 fi	4 [	4 §	
18 b	20 o	12 B	15 O	20 2	10 fi	20 - 4]	5 fi	4]	4 †		
20 c	15 p	12 C	12 P	20 3	10 fi	20 | 10 -	4 fi	4 ‡	4 ‡		
20 d	10 q	15 D	8 Q	20 4	10 fi	12 * 4 AE	4 fi	6 1/4	6 1/4		
20 e	20 r	18 E	12 R	20 5	10 fi	20 thin sp. 4 CE	4 fi	6 3/4	6 3/4		
18 f	20 s	12 F	18 S	20 6	10 (	20 fig. sp. 5 æ	5 fi	6 3/4	6 3/4	
15 g	20 t	12 G	18 T	20 7	10)	20 em sp. 5 œ	5 fi	6 1/2	6 1/2		
20 h	20 u	15 H	15 U	20 8	20 .	20 . 4 %	4 fi	6 3/8	6 3/8		
20 i	12 v	15 I	10 V	20 9	20 ,	20 .. 5 £	5 fi	6 3/4	6 3/4		
15 j	15 w	18 J	10 W	20 0	12 ;	20 — 4 ¶	4 fi	6 3/4	6 3/4		
12 k	12 x	12 K	8 X	10 \$	10 :	10 fb					
20 l	15 y	12 L	10 Y	12 &	20 ' 10 @						
20 m	10 z	18 M	10 Z	6 ?	6 !						

1500 of J-4911 Matrices

ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD										SORTS	
20 a	10 q	12 F	12 U	20 9	8 :	Roman with Italic 4 [	Small			
15 b	20 r	10 G	10 V	20 0	15 ' 4 Z	5 fi	4]	Caps			
20 c	20 s	12 H	10 W	10 \$	6 !	5 &	5 fi	10 -	4 x		
20 d	20 t	12 I	8 X	8 &	16 ' 4 1	5 fi	4 :	4 %	4 z		
20 e	20 u	12 J	10 Y	8 ?	16 - 4 2	4 :	4 :	6 @	3 æ		
18 f	12 v	10 K	10 Z	8 fi	20 | 4 3	4 (	4 ¶	4 ¶	3 œ	
15 g	12 w	12 L		8 fi	10 * 4 4	4)	4 §	4 §	4 &		
20 h	12 x	12 M	20 1	8 fi	20 thin sp. 4 5	3 æ	4 †				
20 i	12 y	12 N	20 2	10 fi	20 fig. sp. 4 6	3 œ	4 ‡				
12 j	10 z	12 O	20 3	10 fi	20 em sp. 4 7	3 AE	6 1/4				
12 k		10 P	20 4	10 (	20 . 4 8	3 CE	6 1/4			
20 l	12 A	8 Q	20 5	10)	20 .. 4 9	6 fb	6 3/8				
20 m	10 B	12 R	20 6	20 .	20 — 6 0	3 £	6 1/2				
20 n	12 C	12 S	20 7	20 .	6 æ 4 \$		6 3/4				
20 o	12 D	12 T	20 8	10 ;	10 œ		6 3/4				
15 p	15 E						6 7/8				

1500 of J-4911 Matrices

2 TWO-LETTER FACES. 1200 Matrices**ROMAN WITH BOLD FACE OR ITALIC**

KEYBOARD							SORTS	
20 a	20 u	16 A	12 N	18 1	5 fi	10 ' 3 Z	3 fi	2 1/8
13 b	20 o	10 B	15 O	18 2	5 fi	16 -	3 fi	2 1/4
20 c	15 p	10 C	8 P	18 3	5 ff	15 |	3 fi	2 3/8
20 d	10 q	12 D	5 Q	18 4	5 ffi	5 *	3 fi	2 1/2
20 e	20 r	18 E	12 R	18 5	5 ffi	20 thin sp.	3 fi	2 5/8
13 f	20 s	10 F	12 S	18 6	6 (	20 fig sp.	3 fi	2 3/4
15 g	20 t	10 G	14 T	18 7	6)	20 em sp.	3 fi	2 7/8
20 h	20 u	12 H	10 U	18 8	15 .	20 .		
20 i	12 v	14 I	6 V	18 9	15 .	20 ..		
15 j	12 w	10 J	8 W	20 0	8 ;	15 —		
12 k	10 x	8 K	5 X	10 \$	6 :	5 th		
20 l	12 y	12 L	5 Y	8 &	12 ' 3 Z	5 @		
20 m	10 z	14 M	5 Z	5 ?	5 !			

1200 of J-4911 Matrices

ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD							SORTS	
20 a	8 q	10 F	10 U	15 9	5 :	Roman with Italic	3 fi	2 1/8
15 b	20 r	8 G	6 V	20 0	10 ' 3 Z	3 fi	3 fi	2 1/4
20 c	20 s	10 H	8 W	8 \$	6 !	3 &	3 fi	2 3/8
20 d	20 t	12 I	5 X	6 &	10 ' 3 1	3 1	3 fi	2 1/2
20 e	20 u	10 J	6 Y	6 ?	15 -	3 2	3 :	2 5/8
18 f	12 v	6 K	4 Z	4 fi	12 |	3 3	3 (	2 3/4
14 g	12 w	10 L		4 fi	5 *	3 4	3)	2 7/8
20 h	12 x	10 M	15 1	4 fi	20 thin sp.	3 5	3 æ	
20 i	12 y	12 N	15 2	4 ffi	20 fig. sp.	3 6	3 œ	Small Caps
12 j	10 z	10 O	15 3	4 ffi	20 em sp.	3 7		3 x
12 k		8 P	15 4	6 (	20 .	3 8		3 z
20 l	12 A	5 Q	15 5	6)	20 ..	3 9		3 &
20 m	8 B	10 R	15 6	20 .	15 —	3 0		
20 n	10 C	12 S	15 7	20 ,	5 æ	3 \$		
20 o	10 D	12 T	15 8	8 ;	5 œ			
15 p	15 E							

1200 of J-4911 Matrices

SUGGESTED FONT SCHEMES (65)

90-Channel Full Length Magazine

3 TWO-LETTER FACES. 1100 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD						SORTS	
20 a	18 n	15 A	14 N	18 1	8 (	20 thin sp.	3 %
12 b	20 o	10 B	15 O	18 2	8)	20 fig. sp.	4 1/8
12 c	10 p	12 C	8 P	18 3	15 .	20 em sp.	4 1/4
17 d	6 q	12 D	5 Q	18 4	15 ,	20 .	4 3/8
20 e	18 r	18 E	12 R	18 5	8 ;	20 ..	4 1/2
12 f	20 s	9 F	15 S	18 6	6 :	20 em sp. in ff	4 5/8
12 g	20 t	9 G	15 T	18 7	12 ' 12 -		4 3/4
18 h	12 u	12 H	9 U	18 8	5 !		4 %
20 i	8 v	14 I	6 V	18 9	10 ' 15 -		
6 j	10 w	5 J	6 W	20 0	15 -		
8 k	8 x	6 K	4 X	8 \$	10 |		
18 l	10 y	12 L	6 Y	4 &	5 *		
15 m	6 z	12 M	4 Z	5 ?			

1100 of J-4911 Matrices

ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD						SORTS	
20 a	6 q	8 F	8 U	18 9	6 :	*Roman	3 %
12 b	18 r	8 G	6 V	20 0	12 ' 12 -	with Italic	3 1/8
12 c	20 s	12 H	6 W	6 \$	5 !	2 ff	3 1/4
15 d	20 t	12 I	4 X	4 &	10 ' 15 -	2 ff	3 3/8
20 e	12 u	5 J	6 Y	5 ?	15 -	2 ff	3 1/2
12 f	8 v	6 K	4 Z	4 ff	8 |	2 :	3 5/8
12 g	8 w	12 L		4 ff	5 *	2 (	3 3/4
18 h	8 x	12 M	18 1	4 ff	20 thin sp.	2)	3 %
20 i	10 y	14 N	18 2	4 ff	20 fig. sp.	2 Z	
6 j	6 z	14 O	18 3	4 ff	20 em sp.	2 &	Small Caps
8 k		8 P	18 4	8 (	20 .		2 x
18 l	14 A	5 Q	18 5	8)	20 ..		2 z
15 m	10 B	12 R	18 6	15 .	12 -		2 z
15 n	12 C	14 S	18 7	15 ,	4 œ		2 &
20 o	12 D	14 T	18 8	8 ;	5 œ		
10 p	16 E						

1100 of J-4911 Matrices

*Italic figures are not supplied. If desired, they must be ordered separately.

(66) USEFUL MATRIX INFORMATION

90-Channel Three-Quarter Length Magazine

50 TWO-LETTER FACES. 1000 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD										SORTS	
16 a	16 n	15 A	14 N	14 1	8 (	16 thin sp.	4 %			
12 b	16 o	10 B	15 O	14 2	8)	16 fig. sp.	4 1/8				
12 c	10 p	12 C	8 P	14 3	15 .	16 em sp.	4 1/4				
15 d	6 q	12 D	5 Q	14 4	15 ,	16 .	4 3/8				
16 e	16 r	16 E	12 R	14 5	8 ;	16 ..	4 1/2				
12 f	16 s	9 F	15 S	14 6	6 :	16 em sp. in fl	4 5/8				
12 g	16 t	9 G	15 T	14 7	12 ' 12 --		4 3/4				
16 h	12 u	12 H	9 U	14 8	5 !		4 7/8				
16 i	8 v	14 I	6 V	14 9	10 ' 10 |						
6 j	10 w	5 J	6 W	16 0	15 -						
8 k	8 x	6 K	4 X	8 \$	10 |						
16 l	10 y	12 L	6 Y	4 &	5 *						
15 m	6 z	12 M	4 Z	5 ?							

1000 of J-4911 Matrices

ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD										SORTS		
16 a	14 n	14 A	14 N	14 1	4 fl	10 ' 10 |	*Roman	3 %	Small			
12 b	16 o	10 B	14 O	14 2	4 fl	15 -	with Italic	3 1/8	Caps			
12 c	10 p	10 C	8 P	14 3	4 fl	8 |	2 fl	3 1/4	2 x			
14 d	6 q	12 D	5 Q	14 4	4 fl	5 *	2 fl	3 3/8	2 z			
16 e	15 r	16 E	12 R	14 5	4 fl	16 thin sp.	2 fl	3 1/2	2 &			
12 f	16 s	8 F	14 S	14 6	8 (	16 fig. sp.	2 :	3 5/8			
12 g	16 t	8 G	14 T	14 7	8)	16 em sp.	2 (	3 3/4			
15 h	12 u	10 H	8 U	14 8	15 .	16 .	2)	3 7/8				
16 i	8 v	12 I	6 V	14 9	15 ,	16 ..	2 Z					
6 j	8 w	5 J	6 W	16 0	8 ;	12 --	2 &					
8 k	8 x	6 K	4 X	6 \$	6 :	5 ab						
15 l	10 y	12 L	6 Y	4 &	12 ' 12 --	4 ce						
14 m	6 z	10 M	4 Z	5 ?	5 !							

1000 of J-4911 Matrices

*Italic figures are not supplied. If desired, they must be ordered separately.

4 TWO-LETTER FACES. 790 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD							SORTS	
12 a	12 n	11 A	11 N	91	5 fl	4 !	2 1/8	
10 b	12 o	9 B	12 O	92	5 ff	8 '	2 1/4	
10 c	8 p	10 C	7 P	93	5 ff	10 |	2 3/8	
11 d	6 q	10 D	5 Q	94	5 ff	3 *	2 1/2	
12 e	12 r	12 E	10 R	95	5 ff	12 thin sp.	2 5/8	
10 f	12 s	9 F	12 S	96	6 (	12 fig. sp.	2 3/4	
10 g	12 t	9 G	12 T	97	6)	12 em sp.	2 7/8	
12 h	8 u	10 H	7 U	98	12 .	12 .		
12 i	7 v	11 I	6 V	99	12,	12 ..		
6 j	9 w	5 J	6 W	120	5 ;	10 —		
8 k	7 x	6 K	4 X	7 \$	5 :			
12 l	9 y	10 L	6 Y	4 &	12 -			
11 m	6 z	10 M	4 Z	4 ?	10 ' —			

790 of J-4911 Matrices

ROMAN WITH ITALIC AND SMALL CAPS

KEYBOARD							SORTS	
12 a	8 p	10 D	10 S	8 7	12 ,	4 œ	*Roman	2 1/8
10 b	6 q	12 E	12 T	8 8	5 ;	4 œ	with Italic	2 1/4
10 c	12 r	8 F	6 U	8 9	5 :		2 fl	2 3/8
10 d	12 s	8 G	6 V	100	12 -		2 ff	2 1/2
12 e	12 t	10 H	6 W	6 \$	10 ' —		2 ff	2 5/8
10 f	8 u	10 I	4 X	4 &	4 !		2 :	2 3/4
10 g	7 v	5 J	6 Y	4 ?	8 ' —		2 (	2 7/8
12 h	8 w	5 K	4 Z	5 ff	10 |		2)	
12 i	6 x	10 L		5 ff	3 *		2 Z	Small
6 j	9 y	10 M	8 1	5 ff	12 thin sp.		2 &	Caps
8 k	5 z	10 N	8 2	5 ff	12 fig. sp.			2 x
12 l		10 O	8 3	5 ff	12 em sp.			2 z
10 m	10 A	6 P	8 4	6 (	12 .			2 &
12 n	8 B	5 Q	8 5	6)	12 ..			
12 o	10 C	10 R	8 6	12 .	10 —			

790 of J-4911 Matrices

*Italic figures are not supplied. If desired, they must be ordered separately.

5 TWO-LETTER FACES. 677 Matrices

ROMAN WITH BOLD FACE OR ITALIC

CAP FONT

KEYBOARD							SORTS	
15 A	12 J	12 S	16 1	16 0	16 thin space	8 (	3 Æ	
12 B	12 K	15 T	16 2	10 \$	16 figure space	8)	3 Œ	
12 C	12 L	12 U	16 3	16,	16 em space	6 !		
12 D	12 M	8 V	16 4	16 .	10 em dash	6 ?		
15 E	12 N	10 W	16 5	10 :				
12 F	15 O	8 X	16 6	12 ;				
12 G	10 P	8 Y	16 7	16 -				
12 H	8 Q	8 Z	16 8	16 ' —				
15 I	12 R	10 &	16 9	16 ' —				

677 of J-4911 Matrices

6 LINING GOTHIC FACES. 509 Matrices

SINGLE FONT

12 A	12 I	6 Q	8 Y	5 I	8 1	8 9	8 -
9 B	9 J	12 R	4 Z	12 -	8 2	10 0	8 -
9 C	7 K	12 S		6 '	8 3	5 &	
9 D	11 L	12 T	12 .	6 '	8 4	8 \$	12 thin sp.
12 E	11 M	10 U	12 ,	*12 —, .166	8 5	2 Æ	12 fig. sp.
9 F	12 N	8 V	8 :	hair line	8 6	2 Œ	12 em sp.
9 G	12 O	8 W	8 ;	*8 —, .0415	8 7	6 (	3 "
9 H	8 P	6 X	5 ?	hair line	8 8	6)	3 "

*Leader Alignment

509 of J-4911 Matrices

7 LINING GOTHIC FACES. 1469 Matrices

THREE FONT COMBINATION (Keyboard Diagram No. 98)

A—CAP CHANNELS, 485 Matrices

KEYBOARD				SORTS			
12 A	12 I	8 Q	10 ,	8 1	8 9	6 Z	6 -
12 B	12 J	12 R	10 .	8 2	8 0	5 &	5 -
12 C	8 K	12 S	12 em sp.,	8 3	2 Æ	6 :	5 —
10 D	12 L	12 T	in cap X channel	8 4	2 Œ	6 ;	5 '
12 E	12 M	10 U		8 5	3 "	4 ?	5 '
12 F	12 N	8 V	12 hair line dash	8 6	3 "	4 !	
12 G	12 O	10 W	size .166*	8 7	8 \$	4 (	8 hair line dash
10 H	10 P	8 Y		8 8	8 X	4)	size .0415*

*Leader Alignment

B—SMALL CAP CHANNELS, 514 Matrices

KEYBOARD				SORTS			
12 A	12 J	12 S	12 thin sp.	5 &	8 7	4 ?	5 '
12 B	8 K	12 T	12 fig. sp.	8 1	8 8	4 !	2 Æ
12 C	12 L	10 U	12 em sp.	8 2	8 9	4 (	2 Œ
10 D	12 M	8 V	10 ,	8 3	8 0	4)	9 hair line dash
12 E	12 N	10 W	10 .	8 4	3 "	8 -	size .0415*
12 F	12 O	8 X	6 -	8 5	3 "	6 ---	6 :
12 G	10 P	8 Y	12 hair line dash,	8 6	8 \$	5 '	6 ;
10 H	8 Q	6 Z	size .166*				
12 I	12 R						

*Leader Alignment

C—LOWER CASE CHANNELS, 470 Matrices

KEYBOARD				SORTS			
12 A	12 I	8 Q	8 Y	5 &	8 7	6 :	4 -
12 B	12 J	12 R	6 Z	8 1	8 8	6 ;	5 —
12 C	8 K	12 S		8 2	8 9	4 ?	5 '
10 D	12 L	12 T	10 ,	8 3	8 0	4 !	5 '
12 E	12 M	10 U	10 .	8 4	3 "	4 (	2 Æ
12 F	12 N	8 V		8 5	3 "	4)	2 Œ
12 G	12 O	10 W	10 hair line dash,	8 6	8 \$	6 -	8 hair line dash
10 H	10 P	8 X	size .166*				size .0415*

*Leader Alignment

1469 of J-4911 Matrices

90-Channel Split Magazine

8 LINING GOTHIC FACES. 979 Matrices

TWO-FONT COMBINATION (Keyboard Diagram No. 138)

A—RIGHT SIDE OF MAGAZINE, 509 Matrices

KEYBOARD						SORTS	
12 A	12 J	12 S	8 1	8 0	12 thin space	2 Æ	3"
12 B	8 K	12 T	8 2	8 \$	12 figure space	2 Œ	3"
12 C	12 L	10 U	8 3	10 ,	12 em space	4 ?	5-
10 D	12 M	8 V	8 4	10 .		4 !	5-
12 E	12 N	10 W	8 5	6 :	12 hair line dash	4 (	8 X
12 F	12 O	8 Y	8 6	6 ;	size .166*	4)	6 Z
12 G	10 P	5 &	8 7	6 -			
10 H	8 Q		8 8	5 ' 8 hair line dash			
12 I	12 R		8 9	5 ' size .0415*			

*Leader Alignment

B—LEFT SIDE OF MAGAZINE, 470 Matrices

KEYBOARD						SORTS	
12 A	12 I	8 Q	8 Y	8 5	10 ,	2 Æ	4)
12 B	12 J	12 R	6 Z	8 6	10 .	2 Œ	4 -
12 C	8 K	12 S	5 &	8 7	6 -	6 :	5 -
10 D	12 L	12 T		8 8		6 ;	6 ' 5'
12 E	12 M	10 U	8 1	8 9	10 hair line dash	4 ?	5'
12 F	12 N	8 V	8 2	8 0	size .166*	4 !	3"
12 G	12 O	10 W	8 3	8 \$		4 (	3"
10 H	10 P	8 X	8 4			8 hair line dash	size .0415*

*Leader Alignment

979 of J-4911 Matrices

72-Channel Full Length Magazine

13 TWO-LETTER FACES. 1200 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD						SORTS	
20 a	20 n	18 A	16 N	18 1	18 .	6 Z	2 1/8
18 b	20 o	12 B	16 O	18 2	18 .	5 &	2 1/4
20 c	15 p	12 C	12 P	18 3	8 ;	5 :	2 3/8
20 d	10 q	16 D	8 Q	18 4	18 -	4 ?	2 1/2
40 e*	20 r	18 E	12 R	18 5	14 ' 20 thin sp.	4 !	2 5/8
18 f	20 s	12 F	18 S	18 6	20 fig. sp.	5 (	2 3/4
15 g	20 t	12 G	18 T	18 7	20 em sp.	5)	2 3/8
18 h	20 u	15 H	15 U	18 8	20 em sp.	5 *	2 3/8
20 i	12 v	16 I	10 V	18 9	10 — in channel 68		
15 j	15 w	15 J	10 W	20 0	14 ' in channel 70		
12 k	12 x	12 K	5 X	10 \$			
20 l	12 y	12 L	8 Y				
18 m	10 z	18 M					

*20 In first channel.

1200 of J-4911 Matrices

(70) USEFUL MATRIX INFORMATION

72-Channel Three-Quarter Length Magazine

47 TWO-LETTER FACES. 900 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD						SORTS	
16 a	16 n	15 A	14 N	14 1	15 ,	4 Z	
12 b	16 o	10 B	15 O	14 2	15 .	4 &	
12 c	10 p	12 C	8 P	14 3	8 ;	4 :	
15 d	6 q	12 D	5 Q	14 4	15 -	4 ?	
32 e*	16 r	16 E	12 R	14 5	12 '.	4 !	
12 f	16 s	9 F	15 S	14 6	16 thin sp.	4 (
12 g	16 t	9 G	15 T	14 7	16 fig. sp.	4)	
16 h	12 u	12 H	9 U	14 8	16 em sp.		
16 i	6 v	14 I	6 V	14 9	8 — in channel 68		
6 j	10 w	5 J	6 W	14 0	10 ' in channel 70		
8 k	6 x	6 K	4 X	8 \$			
16 l	10 y	12 L	6 Y				
15 m	6 z	12 M					

*16 in first channel.

900 of J-4911 Matrices

72-Channel Split Magazine

14 TWO-LETTER FACES. 701 Matrices

ROMAN WITH BOLD FACE OR ITALIC

KEYBOARD						SORTS	
10 a	10 n	10 A	10 N	10 1	10 ,	5 Z	3 1/6
10 b	10 o	10 B	10 O	10 2	10 .	5 &	3 1/4
10 c	10 p	10 C	8 P	10 3	6 ;	3 :	3 2/6
10 d	6 q	10 D	4 Q	10 4	10 -	3 ?	3 1/2
20 e*	10 r	10 E	8 R	10 5	8 '.	3 !	3 5/6
10 f	10 s	10 F	10 S	10 6	10 thin sp.	3 (	3 2/6
10 g	10 t	10 G	10 T	10 7	10 fig. sp.	3)	3 1/6
10 h	10 u	9 H	8 U	10 8	10 em sp.		
10 i	6 v	10 I	5 V	10 9	10 — in channel 68		
8 j	8 w	9 J	5 W	10 0	8 ' in channel 70		
6 k	6 x	6 K	4 X	8 \$			
10 l	8 y	10 L	5 Y				
10 m	6 z	10 M					

*10 in first channel.

701 of J-4911 Matrices

SUGGESTED FONT SCHEMES (71)

90-Channel Full or Three-Quarter Length Magazine

9 DISPLAY FACES (LIST A). 770 Matrices

14 a	12 n	12 A	11 N	10 1	3 fl	10 -
10 b	14 o	9 B	12 O	10 2	3 fl	8 -
10 c	8 p	10 C	7 P	10 3	3 fl	8 '
12 d	5 q	10 D	4 Q	10 4	3 fl	10 '
14 e	12 r	14 E	10 R	10 5	3 fl	15 .
10 f	14 s	8 F	12 S	10 6	5 (	15 ..
9 g	14 t	8 G	12 T	10 7	5)	§15 thin sp.
12 h	9 u	10 H	8 U	10 8	10,	§15 fig. sp.
14 i	6 v	11 I	5 V	10 9	10 .	§15 em sp.
6 j	8 w	6 J	6 W	12 0	5 :	
6 k	6 x	6 K	3 X	6 \$	6 ;	
12 l	8 y	10 L	6 Y	3 &	4 ?	
10 m	5 z	10 M	4 Z		4 !	

725 of J-5025 One-Letter Matrices; § 45 of J-4911 Spaces
755 of J-5040 Two-Letter Matrices (including fig. and em spaces); 15 of J-4911 Thin Spaces

90-Channel Split Magazine

10 DISPLAY FACES (LIST A). 636 Matrices

12 a	10 n	8 A	8 N	6 1	3 fl	12 -
8 b	12 o	6 B	8 O	6 2	3 fl	10 -
8 c	8 p	6 C	6 P	6 3	3 fl	8 '
8 d	6 q	6 D	5 Q	6 4	3 fl	8 '.
12 e	10 r	9 E	8 R	6 5	3 fl	12 .
8 f	10 s	6 F	8 S	6 6	5 (	12 ..
8 g	12 t	6 G	8 T	6 7	5)	§12 thin sp.
9 h	9 u	8 H	6 U	6 8	12,	§12 fig. sp.
12 i	6 v	8 I	6 V	6 9	12 .	§12 em sp.
6 j	7 w	6 J	7 W	10 0	5 :	
6 k	6 x	6 K	4 X	6 \$	6 ;	
10 l	7 y	8 L	6 Y	3 &	4 ?	
8 m	6 z	6 M	4 Z		4 !	

600 of J-5025 One-Letter Matrices; § 36 of J-4911 Spaces
624 of J-5040 Two-Letter Matrices (including fig. and em spaces); 12 of J-4911 Thin Spaces

90-Channel Full Length Magazine

11 DISPLAY FACES (LIST A). 619 Matrices

				CAP FONT			
KEYBOARD						SORTS	
14 A	10 K	12 U	12 1	16,	3 ?	2 A	
12 B	12 L	8 V	10 2	16 .	5 !	2 B	
12 C	12 M	10 W	10 3	6 ;		2 3/8	
10 D	14 N	6 X	10 4	8 ;	§20 thin sp.	2 1/4	
18 E	14 O	10 Y	15 5	12 -	§20 fig. sp.	2 3/8	
10 F	10 P	5 Z	10 6	12 '.	§20 em sp.	2 1/2	
10 G	8 Q	5 &	10 7	12 '.		2 5/8	
10 H	12 R		10 8	20 -		2 3/4	
14 I	14 S		10 9	3 (		2 7/8	
12 J	14 T		20 0	3)			
			10 \$				

559 of J-5025 or J-5040 (Two-Letter) Matrices

§ 60 of J-4911 Spaces

(72) USEFUL MATRIX INFORMATION

90-Channel Split Magazine

12 DISPLAY FACES (LIST A). 446 Matrices

CAP FONT						SORTS
KEYBOARD						
12 A	6 K	8 U	6 I	10 ,	6 ?	2 AE
8 B	10 L	6 V	6 2	10 .	6 !	2 CE
8 C	10 M	8 W	6 3	6 :	6 —	2 1/8
8 D	12 N	4 X	6 4	6 ;		2 1/4
12 E	12 O	8 Y	6 5	10 -	§12 thin sp.	2 3/8
8 F	8 P	6 Z	6 6	8 ‘	§12 fig. sp.	2 1/2
8 G	6 Q	6 &	6 7	8 ’	§12 em sp.	2 5/8
8 H	12 R		6 8	4 (		2 3/4
12 I	12 S		6 9	4)		2 7/8
8 J	12 T		10 0			
			6 \$			

410 of J-5025 or J-5040 (Two-Letter) Matrices

§ 36 of J-4911 Spaces

72-Channel Full or Three-Quarter Length Magazine

17 DISPLAY FACES (LIST A or B). 690 Matrices

KEYBOARD							SORTS
12 a	10 l	8 w	7 G	8 R	10 1	12 .	3 :
10 b	10 m	6 x	7 H	10 S	10 2	12 ,	2 !
10 c	10 n	8 y	8 I	10 T	10 3	5 ;	2 ?
10 d	12 o	6 z	6 J	7 U	10 4	8 ‘	2 (
32 e*	8 p		6 K	7 V	10 5	10 -	2)
10 f	7 q	10 A	8 L	7 W	10 6		3 &
10 g	12 r	7 B	7 M	6 X	10 7	§12 thin sp. in	4 ‘
10 h	12 s	7 C	8 N	7 Y	10 8	chan. 70, .083	3 —
12 i	12 t	7 D	8 O	6 Z	10 9	§11 thin sp. .0277	
8 j	10 u	14 E	8 P		10 0	§11 fig. sp.	
8 k	8 v	7 F	6 Q		8 \$	†15 em sp. .333	

*16 in first channel.

List A Faces, 641 of J-5025 or J-5040 (Two-Letter) Matrices § 34 of J-4911 Spaces

List B Faces, 641 of J-5035 or J-5050 (Two-Letter) Matrices † 15 of J-5035 Spaces (24 pt.)

72-Channel Split Magazine

15 DISPLAY FACES (LIST A or B). 565 Matrices

KEYBOARD							SORTS
10 a	8 l	6 w	5 G	6 R	10 1	10 .	3 :
8 b	8 m	5 x	6 H	6 S	10 2	10 ,	3 !
8 c	10 n	5 y	8 I	6 T	10 3	5 ;	2 ?
8 d	10 o	5 z	4 J	6 U	10 4	6 ‘	2 (
20 e*	8 p		4 K	4 V	10 5	10 -	2)
8 f	5 q	8 A	6 L	5 W	10 6		5 &
8 g	10 r	5 B	6 M	3 X	10 7	§10 thin sp. in	4 ‘
8 h	10 s	5 C	6 N	4 Y	10 8	chan. 70, .083	3 —
10 i	10 t	5 D	6 O	3 Z	10 9	§10 thin sp. .0277	
5 j	10 u	8 E	5 P		10 0	§10 fig. sp.	
5 k	5 v	5 F	4 Q		8 \$	†10 em sp. .333	

*10 in first channel

List A Faces, 525 of J-5025 or J-5040 (Two-Letter) Matrices § 30 of J-4911 Spaces

List B Faces, 525 of J-5035 or J-5050 (Two-Letter) Matrices † 10 of J-5035 Spaces (24 pt.)

72-Channel Split Magazine

16 DISPLAY FACES (LIST A or B). 414 Matrices

CAP FONT							SORTS
KEYBOARD							
10 A	7 H	10 O	7 V	10 1	10 8	3 ;	5 &
10 B	10 I	7 P	7 W	10 2	10 9	4 '	3 :
10 C	7 J	7 Q	6 X	10 3	10 0		2 ?
10 D	7 K	10 R	7 Y	10 4	10 \$	§10 thin sp. .0277	3 !
10 E	10 L	10 S	6 Z	10 5	10 ,	§10 fig. sp.	2 (
7 F	7 M	10 T		10 6	10 .	†10 em sp. .333	2)
7 G	10 N	7 U		10 7	7 -		4 '
							3 —

List A Faces, 384 of J-5025 or J-5040 (Two-Letter) Matrices § 20 of J-4911 Spaces

List B Faces, 384 of J-5035 or J-5050 (Two-Letter) Matrices † 10 of J-5035 Spaces (24 pt.)

55-Channel Arrangement

72-Channel Full or Three-Quarter Length Magazine

20 DISPLAY FACES (LIST B). 653 Matrices

KEYBOARD					SORTS		
14 a	12 m	8 y	8 J	6 V	4 X	2 (	4 1
11 b	14 n	6 z	6 K	8 W	2 Z	2)	4 2
13 c	14 o		10 L	6 Y	2 &	5 '	4 3
12 d	11 p	10 A	8 M			8 '	4 4
16 e	8 q	8 B	12 N	9 ,	3 :	3 —	4 5
13 f	14 r	8 C	12 O	9 .	3 :		4 6
11 g	14 s	8 D	8 P	6 -	2 †		4 7
12 h	14 t	14 E	6 Q		3 !		4 8
14 i	10 u	8 F	12 R	§16 thin space			4 9
8 j	8 v	8 G	12 S	§16 figure space			6 0
8 k	10 w	8 H	12 T				4 \$
13 l	6 x	12 I	8 U				

621 of J-5035 or J-5050 (Two-Letter) Matrices

§ 32 of J-4911 Spaces

(74) USEFUL MATRIX INFORMATION

55-Channel Arrangement
72-Channel Split Magazine

18 DISPLAY FACES (LIST B). 462 Matrices

KEYBOARD					SORTS		
10 a	8 m	5 y	4 J	4 V	3 X	2 (	41
8 b	10 n	5 z	4 K	5 W	3 Z	2)	42
8 c	10 o		6 L	4 Y	3 &	4'	43
8 d	8 p	8 A	6 M			4'	44
10 e	5 q	5 B	6 N	10,	3 :	3—	45
8 f	10 r	5 C	6 O	10.	3 ;		46
8 g	10 s	5 D	5 P	8 -	2 ?		47
8 h	10 t	8 E	4 Q		3 !		48
10 i	8 u	5 F	6 R	§10 thin space			49
5 j	5 v	5 G	6 S	§10 figure space			70
5 k	6 w	6 H	6 T				3 §
8 I	4 x	8 I	6 U				

442 of J-5035 or J-5050 (Two-Letter) Matrices

§ 20 of J-4911 Spaces

55-Channel Arrangement
72-Channel Split Magazine

19 DISPLAY FACES (LIST B). 338 Matrices

KEYBOARD					CAP FONT			SORTS		
10 A	7 G	7 M	10 S	10,	4 X	3)	54			
10 B	7 H	10 N	10 T	10.	4 Z	4'	55			
10 C	10 I	10 O	5 U	10 -	4 &	4'	56			
10 D	5 J	5 P	5 V		4 :	3—	57			
10 E	5 K	5 Q	7 W	§10 thin space	4 ;		58			
7 F	10 L	10 R	5 Y	§10 figure space	3 ?	51	50			
					4 !	52	50			
					3 (	53	4 §		

318 of J-5035 or J-5050 (Two-Letter) Matrices

§ 20 of J-4911 Spaces

Wide 72-Channel Split Magazine

49 DISPLAY FACES (LIST A or B). 630 Matrices

KEYBOARD						SORTS			
12 a	10 l	6 w	6 G	7 R	10 1	12,	3 &		
8 b	9 m	5 x	7 H	8 S	10 2	12.	3 :		
8 c	10 n	6 y	8 I	8 T	10 3	6 ;	3 ?		
8 d	12 o	5 z	5 J	6 U	10 4	10 -	3 !		
24 e*	8 p		5 K	4 V	10 5	6'	3 (
8 f	5 q		7 L	5 W	10 6		3)		
8 g	10 r	8 A	7 M	4 X	10 7	§12 thin sp. ln	4'		
10 h	12 s	7 C	8 N	5 Y	10 8	chan. 70, .083	3—		
12 i	12 t	7 D	8 O	4 Z	10 9	§12 thin sp. .0277			
5 j	10 u	10 E	6 P		12 0	§12 fig. sp.			
6 k	5 v	6 F	5 Q		8 §	†12 em sp. .333			

*12 ln first channel

List A Faces, 582 of J-5025 or J-5040 (Two-Letter) Matrices § 36 of J-4911 Spaces

List B Faces, 582 of J-5035 or J-5050 (Two-Letter) Matrices † 12 of J-5035 Spaces (24 pt.)

"Pi" or Keyboard

21 JOB FONT. 167 Matrices

DISPLAY OR ROMAN WITH BOLD FACE OR ITALIC

5 A	3 F	3 K	3 P	3 U	2 Z	4 3	4 8	4 .	2 (
3 B	3 G	4 L	2 Q	2 V	2 &	4 4	4 9	2 :	2)
4 C	4 H	4 M	5 R	3 W		4 5	4 0	2 ;	2 -
3 D	5 I	4 N	5 S	2 X	4 1	4 6	2 \$	2 ?	4 '
7 E	3 J	5 O	5 T	2 Y	4 2	4 7	3 ,	2 !	4 '

Two-Letter: 167 of J-4911 Matrices List A: 167 of J-5025 or J-5040 (Two-Letter) Matrices
List B: 167 of J-5035 or J-5050 (Two-Letter) Matrices

21A JOB FONTS. 167 Caps, 134 Lower Case

DISPLAY OR ROMAN WITH BOLD FACE OR ITALIC

CAPS					LOWER CASE		
5 A	4 L	3 W	4 7	2 -	7 a	6 l	3 v
3 B	4 M	2 X	4 8	4 ' .	4 b	5 m	4 w
4 C	4 N	2 Y	4 9	2 !	5 c	6 n	2 x
3 D	5 O	2 Z	4 0	2 ?	5 d	7 o	3 y
7 E	3 P		2 \$	4 ' .	9 e	4 p	2 z
3 F	2 Q	4 1	2 (	2 &	4 f	2 q	
3 G	5 R	4 2	2)		4 g	6 r	2 fl
4 H	5 S	4 3	4 .		6 h	6 s	2 fl
5 I	5 T	4 4	3 ,		7 i	6 t	2 ff
3 J	3 U	4 5	2 ;		3 j	5 u	2 ff
3 K	2 V	4 6	2 :		3 k		2 ff

ROMAN WITH ITALIC AND SMALL CAPS

CAPS					LOWER CASE		
4 A	4 N	4 1	2 (	3 ' .	7 a	6 n	2 ff
3 B	5 O	4 2	2)	2 &	4 b	7 o	2 ff
3 C	3 P	4 3	3 .	2 |	4 c	3 p	2 ff
3 D	2 Q	4 4	3 ,	2 .	5 d	2 q	2 ff
6 E	4 R	4 5	2 ;	2 *	9 e	6 r	2 ff
3 F	4 S	4 6	2 :		4 f	6 s	2 æ
3 G	4 T	4 7	2 -	Small	4 g	6 t	2 œ
4 H	3 U	4 8	3 ' .	Caps	6 h	5 u	
4 I	2 V	4 9	2 !	2 x	7 i	3 v	
3 J	3 W	4 0	2 ?	2 z	3 j	3 w	
3 K	2 X	2 \$			3 k	2 x	
4 L	2 Y				5 l	3 y	
4 M	2 Z				5 m	2 z	

Two-Letter: 301 of J-4911 Matrices List A: 301 of J-5025 or J-5040 (Two-Letter) Matrices
List B: 301 of J-5035 or J-5050 (Two-Letter) Matrices

Auxiliary Magazine

22 TWO-LETTER OR DISPLAY FACES. 289 Matrices

KEYBOARD

8 A	7 H	8 O	7 W	6 4	3 Q	3 &	2 ' .
7 B	8 I	6 P	6 Y	6 5	3 X	2 !	2 ' .
7 C	7 J	8 R		6 6	3 Z	4 -	3 \$
7 D	5 K	8 S	\$10 em sp.	6 7	6 ,	2 (	3 ;
9 E	8 L	8 T	6 1	6 8	6 .	2)	3 :
8 F	7 M	5 U	6 2	6 9	2 ?	4 -	
7 G	9 N	4 V	6 3	8 0			

Two-Letter, 289 of J-4911 Matrices List A Faces, 279 of J-5025 or J-5040 (Two-Letter) Matrices
List B Faces, 279 of J-5035 or J-5050 (Two-Letter) Matrices
\$ 10 of J-4911 Spaces (up to and including size .267). J-5035 (size .270 to .356)

(76) USEFUL MATRIX INFORMATION

For TWO Auxiliary Magazines

23 TWO-LETTER OR DISPLAY FACES. 490 Matrices

KEYBOARD						SORTS	
10 a	8 i	6 w	6 G	6 R	6 1	6 .	3 :
8 b	8 m	6 x	6 H	6 S	6 2	6 ,	3 !
8 c	8 n	7 y	8 I	8 T	6 3	6 ;	3 ?
8 d	10 o	6 z	5 J	6 U	6 4	§8 fig. sp.	3 (
10 e	8 p		5 K	4 V	6 5	§8 em sp.	3)
8 f	5 q	8 A	6 L	5 W	6 6		4 -
8 g	8 r	6 B	6 M	4 X	6 7		3 &
8 h	8 s	6 C	6 N	5 Y	6 8		4 '
10 i	10 t	6 D	6 O	4 Z	6 9		4 '—
8 j	8 u	8 E	5 P		8 0		4 —
6 k	5 v	6 F	4 Q		6 §		

Two-Letter: 490 of J-4911 Matrices List A: 474 of J-5025 or J-5040 (Two-Letter) Matrices
§ 16 of J-4911 Spaces List B: 474 of J-5035 or J-5050 (Two-Letter) Matrices

90-Channel Split Magazine

59 TWO-LETTER OR DISPLAY FACES (LIST A).
360 Matrices

CAPS AND POINTS IN CAP OR CENTER CHANNELS OF 90-CHANNEL MAGAZINE
FIGURES P1. KEYBOARD DIAGRAM NO. 6 OR 22

KEYBOARD				SORTS		
12 A	10 J	12 S	10 ,	10 ~	4 &	5 6
10 B	8 K	12 T	10 .	5 —	5 1	5 7
10 C	10 L	6 U	3 :	4 '—	5 2	5 8
10 D	10 M	6 V	6 ;	4 '—	5 3	5 9
12 E	12 N	6 W	3 ?		5 4	8 0
10 F	8 O	5 X	3 !		5 5	3 §
10 G	8 P	8 Y	3 (
10 H	6 Q	5 Z	3)			
8 I	12 R					

Two-Letter: 360 of J-4911 Matrices. List A: 360 of J-5025 or J-5040 (Two-Letter) Matrices

90-Channel Split Magazine

52 TWO-LETTER OR DISPLAY FACES (LIST A)
390 Matrices

CAPS AND POINTS IN LOWER CASE CHANNELS OF 90-CHANNEL MAGAZINE
FIGURES P1. KEYBOARD DIAGRAM NO. 6 OR 22

KEYBOARD				SORTS		
12 A	10 J	12 S	10 ,	4 &	5 7	3 ?
10 B	8 K	12 T	10 .	5 1	5 8	3 !
10 C	10 L	6 U	10 -	5 2	5 9	3 (
10 D	10 M	6 V	§10 thin sp.	5 3	8 0	3)
12 E	12 N	6 W	§10 fig. sp.	5 4	3 §	5 —
10 F	8 O	5 X	§10 em sp.	5 5	3 :	4 '—
10 G	8 P	8 Y		5 6	6 ;	4 '—
10 H	6 Q	5 Z				
8 I	12 R					

Two-Letter: 390 of J-4911 Matrices. List A: 360 of J-5025 or J-5040 (Two-Letter) Matrices
§ 30 of J-4911 Spaces

53 TWO-LETTER OR DISPLAY FACES (LIST A)**660 Matrices**

CAPS, LOWER CASE AND POINTS IN CENTER AND LOWER CASE CHANNELS,
OR CAP AND LOWER CASE CHANNELS OF 90-CHANNEL MAGAZINE
FIGURES P1. KEYBOARD DIAGRAM NO. 6 OR 22

KEYBOARD						SORTS	
12 a	12 n	10 A	10 N	6 fi	3 &	2 :	
12 b	12 o	8 B	8 O	8 fi	5 1	2 ?	
12 c	10 p	8 C	8 P	6 ff	5 2	2 !	
12 d	8 q	8 D	5 Q	2 ffi	5 3	3 (
12 e	12 r	10 E	8 R	2 ffi	5 4	3)	
12 f	12 s	8 F	10 S	12 ,	5 5	4 '.	
12 g	12 t	8 G	10 T	12 .	5 6	4 '.	
10 h	12 u	8 H	6 U	6 ;		5 7	
12 i	8 v	6 I	6 V	12 -		5 8	
10 j	8 w	8 J	8 W	4 —		5 9	
8 k	8 x	6 K	5 X	§12 thin sp.		8 0	
12 l	10 y	8 L	8 Y	§12 fig. sp.	3 §		
12 m	8 z	8 M	5 Z	§12 em sp.			

Two-Letter: 660 of J-4911 Matrices. List A: 624 of J-5025 or J-5040 (Two-Letter) Matrices
§ 36 of J-4911 Spaces

**54 TWO-LETTER ROMAN WITH ITALIC
AND SMALL CAP FACES. 770 Matrices**

CAPS, LOWER CASE AND POINTS IN LOWER CASE AND CENTER CHANNELS,
OR IN LOWER CASE AND CAP CHANNELS OF 90-CHANNEL MAGAZINE
FIGURES P1. KEYBOARD DIAGRAM NO. 6 OR 22

KEYBOARD						SORTS		
12 a	12 n	12 A	10 N	6 fi	4 (	Roman with	Roman	Small
12 b	12 o	8 B	8 O	3 fi	4)	Small Caps	& Italic	Caps
12 c	12 p	8 C	8 P	6 ff	4 *	2 Z	3 9	3 &
12 d	10 q	8 D	6 Q	3 ffi	12 -	2 &	3 0	5 1
12 e	12 r	12 E	10 R	3 ffi	8 —	3 1	2 §	5 2
12 f	12 s	8 F	10 S	3 æ	4 '.	3 2	2 fi	5 3
12 g	12 t	8 G	10 T	3 œ	4 '.	3 3	2 ffi	5 4
12 h	12 u	8 H	6 U	12 ,	12 thin sp.	3 4	2 fl	5 5
12 i	10 v	8 I	5 V	12 .	12 fig. sp.	3 5	2 :	5 6
12 j	10 w	10 J	6 W	5 :	12 em sp.	3 6	2 (	5 7
12 k	6 x	6 K	5 X	6 ;	4 .	3 7	2)	5 8
12 l	12 y	10 L	7 Y	3 ?		3 8	2 æ	5 9
12 m	6 z	10 M	5 Z	3 !			2 œ	8 0
								4 §

770 of J-4911 Matrices

(78) USEFUL MATRIX INFORMATION

90-Channel Split and Auxiliary Magazine

24 DISPLAY FACES (LIST A or B). 570 Matrices

LOWER CASE IN CAP CHANNELS OF 90-CHANNEL MAGAZINE
CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD						SORTS	
12 a	12 l	7 w	7 G	8 S	6 1	3 Q	12 ,
10 b	10 m	5 x	7 H	8 T	6 2	3 X	4 ;
10 c	12 n	7 y	8 I	5 U	6 3	3 Z	3 :
10 d	12 o	6 z	7 J	4 V	6 4	2 fi	4 '
12 e	8 p		5 K	7 W	6 5	2 fi	4 ?
10 f	6 q	8 A	8 L	6 Y	6 6	2 fi	2 !
10 g	12 r	7 B	7 M		6 7	2 fi	2 ?
10 h	12 s	7 C	9 N		6 8	2 fi	6 -
12 i	12 t	7 D	8 O		6 9	2 (	3 &
10 j	10 u	9 E	6 P		8 0	2)	3 \$
8 k	7 v	8 F	8 R		§10 em space	12 .	4 -

List A: 560 of J-5025 or J-5040 (Two-Letter) Matrices

§ 10 of J-4911 Spaces

List B: 560 of J-5035 or J-5050 (Two-Letter) Matrices

90-Channel Split and Auxiliary Magazine

56 DISPLAY FACES (LIST A or B). 600 Matrices

LOWER CASE AND POINTS IN CAP AND CENTER CHANNELS (DIAGRAM NO. 135)
OF 90-CHANNEL MAGAZINE. CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD						SORTS	
12 a	12 n	8 A	7 M	6 1	5 :	2 fi	
10 b	12 o	7 B	9 N	6 2	6 ;	2 fi	
10 c	8 p	7 C	8 O	6 3	5 ?	2 fi	
10 d	6 q	7 D	6 P	6 4	5 !	2 fi	
12 e	12 r	9 E	8 R	6 5	5 (	2 fi	
10 f	12 s	8 F	8 S	6 6	5)	3 Z	
10 g	12 t	7 G	8 T	6 7	12 -	3 &	
10 h	10 u	7 H	5 U	6 8	8 -	3 Q	
12 i	7 v	8 I	4 V	6 9	8 '	3 X	
10 j	7 w	7 J	7 W	8 0	8 ' (prime)	4 \$	
8 k	6 x	5 K	6 Y	10 ,	§10 em sp.		
10 l	7 y	8 L		10 .			
10 m	6 z						

List A: 590 of J-5025 or J-5040 (Two-Letter) Matrices

§ 10 of J-4911 Spaces

List B: 590 of J-5035 or J-5050 (Two-Letter) Matrices

SUGGESTED FONT SCHEMES (79)

90-Channel Split and Auxiliary Magazine

55 DISPLAY FACES (LIST A). 667 Matrices

LOWER CASE AND POINTS IN LOWER CASE AND CENTER CHANNELS
(DIAGRAM NO. 135) OF 90-CHANNEL MAGAZINE
CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD						SORTS	
12 a	12 n	8 A	7 M	5 fl	67	12 -	3 Q
10 b	12 o	7 B	9 N	5 fl	68	8 —	3 X
10 c	8 p	7 C	8 O	5 fl	69	8 '	3 Z
10 d	6 q	7 D	6 P	5 fl	80	8 ' |	4 \$
12 e	12 r	9 E	8 R	5 fl	10 ,	8 |	
10 f	12 s	8 F	8 S	3 &	10 .	8 .	
10 g	12 t	7 G	8 T		5 :	§12 thin sp.	
10 h	10 u	7 H	5 U	6 1	6 ;	§12 fig. sp.	
12 i	7 v	8 I	4 V	6 2	5 ?	§12 em sp.	
10 j	7 w	7 J	7 W	6 3	5 !	§10 em sp. (Auxiliary)	
8 k	6 x	5 K	6 Y	6 4	5 (
10 l	7 y	8 L		6 5	5)		
10 m	6 z			6 6			

List A: 621 of J-5025 or J-5040 (Two-Letter) Matrices

§ 46 of J-4911 Spaces

72-Channel Split and Auxiliary Magazine

57 DISPLAY FACES (LIST A or B). 550 Matrices

LOWER CASE AND POINTS IN LEFT SIDE OF 72-CHANNEL MAGAZINE
(DIAGRAM NO. 149). CAPS AND FIGURES IN AUXILIARY MAGAZINE

KEYBOARD						SORTS	
10 a	10 n	8 A	7 M	6 1	8 ,		2 Q
8 b	10 o	7 B	9 N	6 2	8 .		2 X
8 c	8 p	7 C	8 O	6 3	5 :		2 Z
8 d	5 q	7 D	6 P	6 4	5 ;		2 &
20 e*	10 r	9 E	8 R	6 5	8 -		1 ?
8 f	10 s	8 F	8 S	6 6	8 ' |		1 !
8 g	10 t	7 G	8 T	6 7	8 ' |		1)
8 h	10 u	7 H	5 U	6 8	§10 thin sp. .0277		1 (
10 i	5 v	8 I	4 V	6 9	§10 fig. sp.		2 —
5 j	6 w	7 J	7 W	8 0	§10 em sp.		
5 k	5 x	5 K	6 Y	6 \$	†10 em sp. .3333		
8 l	6 y	8 L					
8 m	5 z						

*10 in first channel

List A Faces, 510 of J-5025 or J-5040 (Two-Letter) Matrices § 30 of J-4911 Spaces

List B Faces, 510 of J-5035 or J-5050 (Two-Letter) Matrices † 10 of J-5035 Spaces (24 pt.)

(80) USEFUL MATRIX INFORMATION

72-Channel Split and Auxiliary Magazine

58 DISPLAY FACES (List A or B). 510 Matrices

LOWER CASE AND POINTS IN RIGHT SIDE OF 72-CHANNEL MAGAZINE
(DIAGRAM NO. 149). CAPS AND FIGURES IN AUXILIARY MAGAZINE

	KEYBOARD						SORTS	
10 a	8 l	6 w	7 G	8 S	6 1	8 ,	2 Q	
8 b	8 m	5 x	7 H	8 T	6 2	8 .	2 X	
8 c	10 n	6 y	8 I	5 U	6 3	5 :	2 Z	
8 d	10 o	5 z	7 J	4 V	6 4	5 ;	2 &	
10 e	8 p		5 K	7 W	6 5	8 -	2 _	
8 f	5 q	8 A	8 L	6 Y	6 6	8 '	1 ?	
8 g	10 r	7 B	7 M		6 7	8 `	1 !	
8 h	10 s	7 C	9 N		6 8	§10 em sp.	1 (
10 i	10 t	7 D	8 O		6 9		1)	
5 j	10 u	9 E	6 P		8 0			
5 k	5 v	8 F	8 R		6 \$			

List A Faces, 500 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 500 of J-5035 or J-5050 (Two-Letter) Matrices

§ 10 of J-4911 Spaces (up to and including size .267). J-5035 (size .270 to .356)

(82) USEFUL MATRIX INFORMATION

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Linotype Keyboard Diagrams

On the following pages are shown twenty-four keyboard diagrams representing those most used in the United States and Canada. They provide a variety to cover practical operating layouts for all models of Linotypes, their individual application depending upon the face desired and the magazine intended.

The diagrams serve a two-fold purpose. First, they show the keyboard buttons to which the individual characters respond in a given layout. Second, they indicate, by the numbers under the buttons, the magazine channels in which the corresponding characters are cut to run. When two channels of lower case "e" are used, the additional channel is number "0" in the magazine.

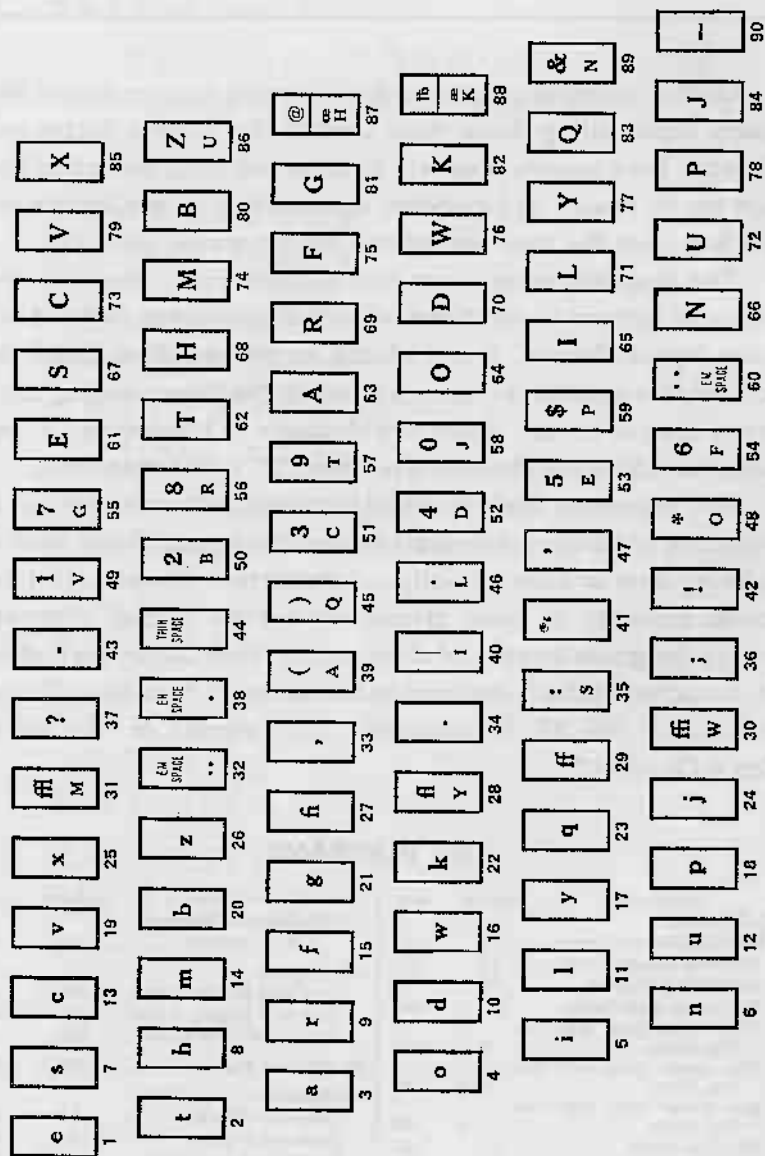
Any departure from standard layouts is to be avoided due to magazine channel size limitations and the possibility of error in ordering sorts of such specially cut characters. However, if it becomes essential to order characters cut for special channels, always designate location of character by channel number instead of character regularly assigned to that channel. Example: "To run in Channel No. 85, Diagram No. 12," instead of "To run in Cap X Channel."

THE DIAGRAMS

DESCRIPTION	NUMBER	PAGE	DESCRIPTION	NUMBER	PAGE
90-Channel:			72-90-Channel Keyboard,		
Text and Display Faces	12	84	2 in 1 Linotype	150	97
Text and Display Faces	11	85	72-Channel:		
Advertising Figures	32	86	Text and Display Faces . . .	103-C	98
Two Lower Case Fonts	135	87	Text and Display Faces . . .	103	100
One Lower Case and Two			Two Lower Case Fonts	149	99
Cap Fonts	6	88	55-Channel Face	103-A	101
One Lower Case and Two			34-Channel:		
Cap Fonts	22-A	89	Caps and Figures	52	102
One Lower Case and Two			Caps and Figures	163	103
Cap Fonts	22-B	90	Lower Case and Points	52-A	104
Two Cap Fonts	87	91	Advertising Figures	51-A	105
Three Cap Fonts	6-A	92	28-Channel:		
Three Cap Fonts	22	93	Caps	95	106
Two Lining Faces	138	94	Advertising Figures	96	107
Three Lining Faces	98	95			
Hebrew	13	96			

(84) USEFUL MATRIX INFORMATION

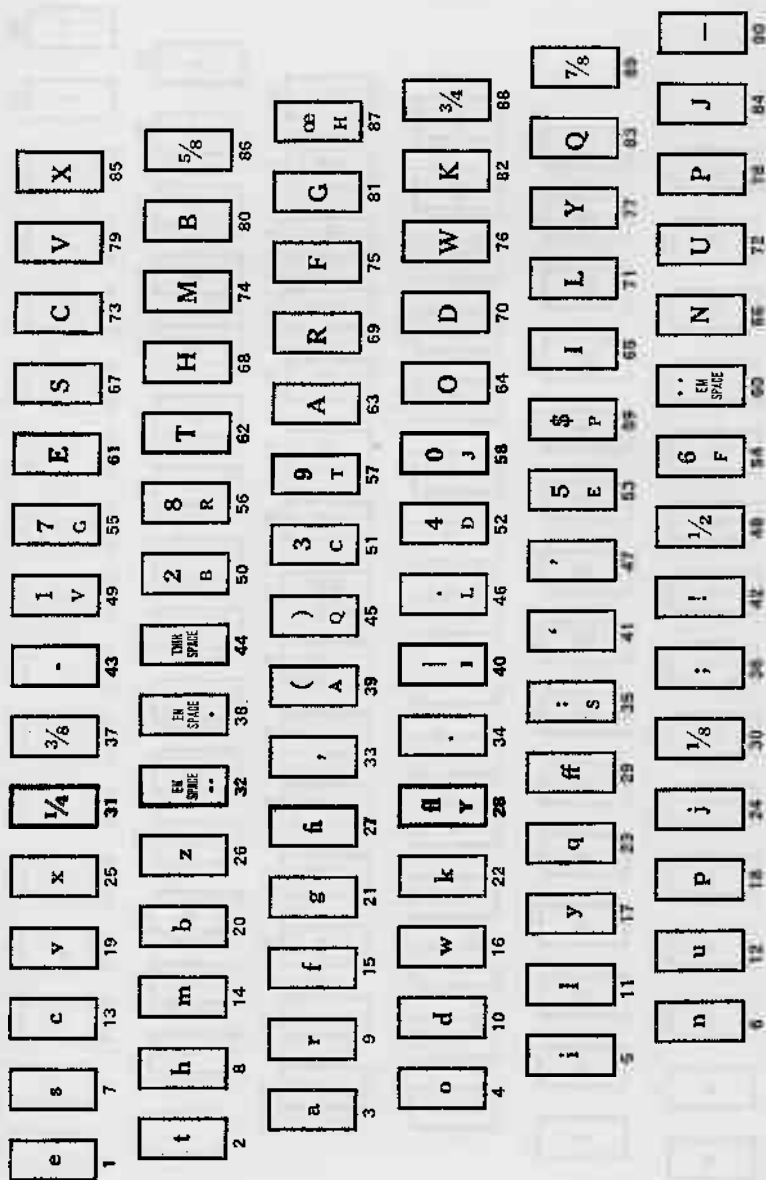
DIAGRAM No. 12



90-CHANNEL FACE, FRACTIONS PI

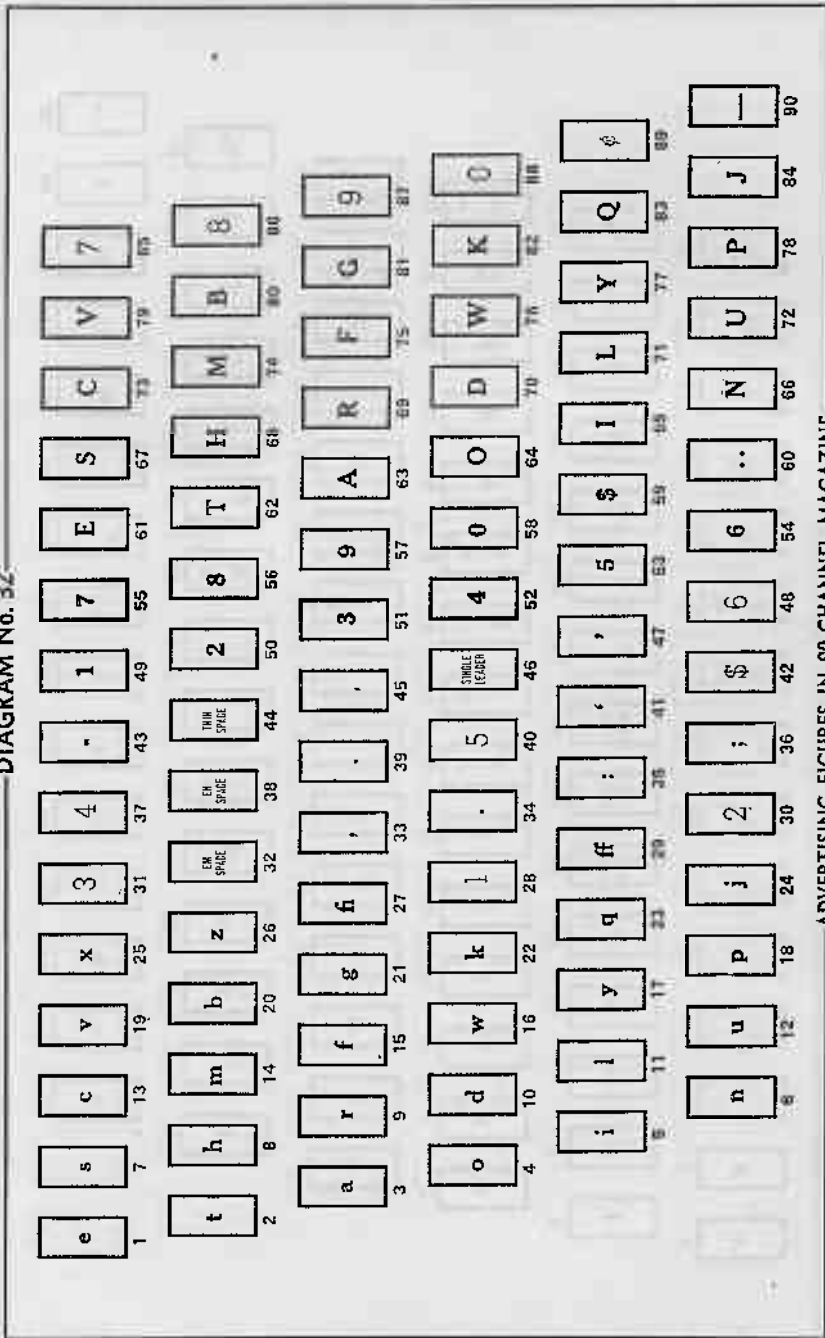
(Standard Linotype Keyboard)

DIAGRAM No. 11



90-CHANNEL FACE, FRACTIONS KEYBOARD

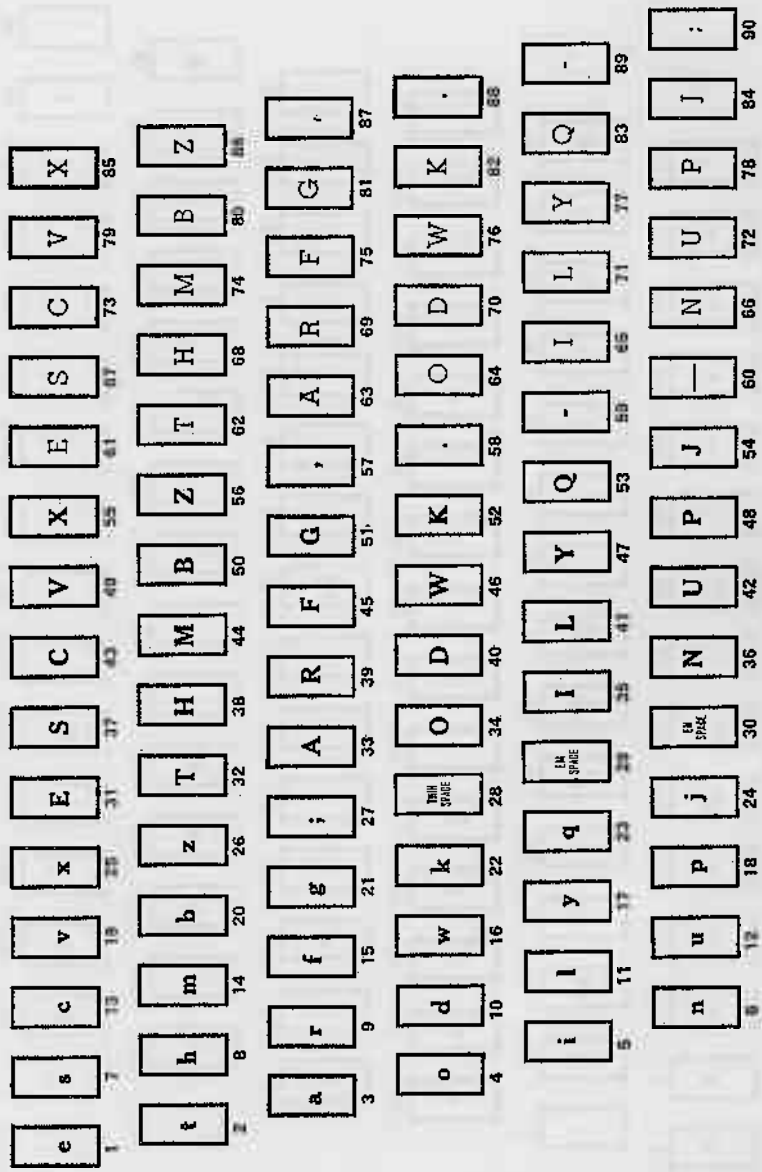
DIAGRAM No. 32



ADVERTISING FIGURES IN 90-CHANNEL MAGAZINE

(88) USEFUL MATRIX INFORMATION

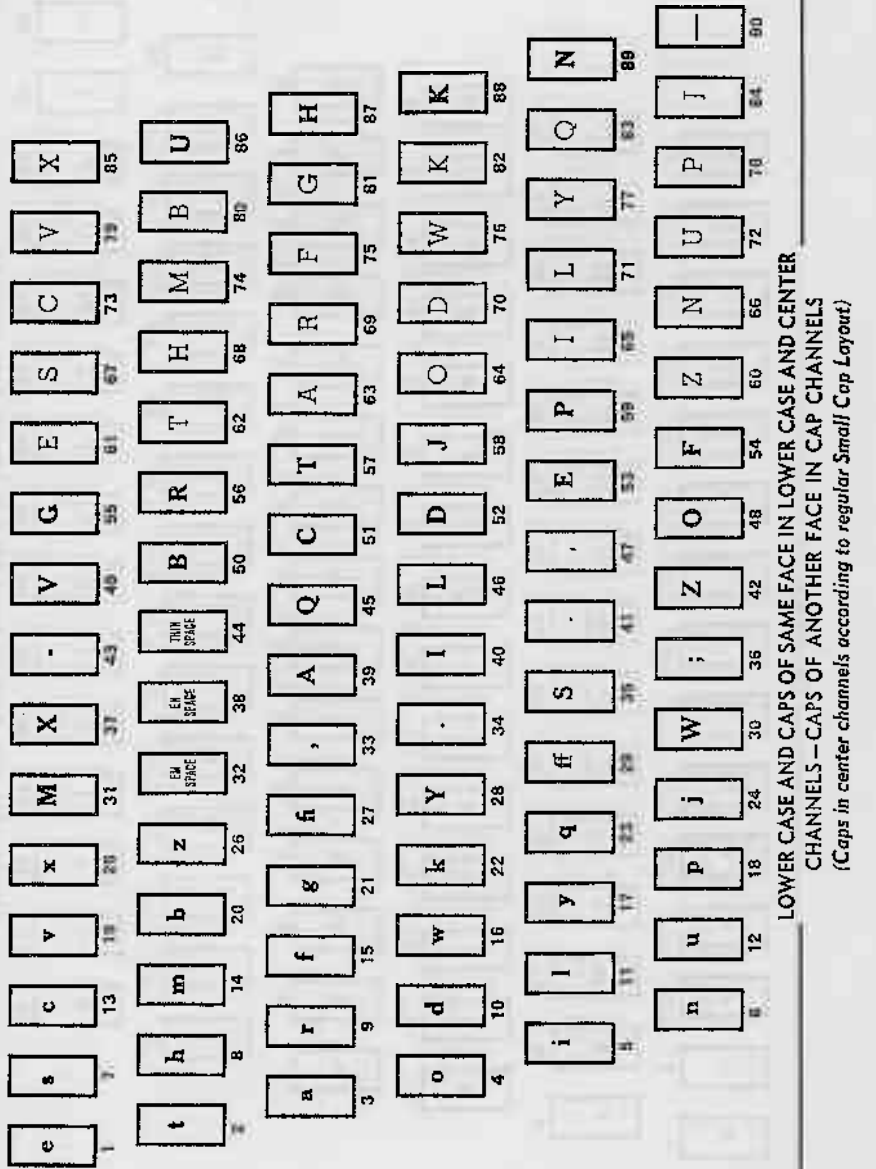
DIAGRAM No. 6



LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CENTER CHANNELS — CAPS OF ANOTHER FACE IN CAP CHANNELS

(Caps in center channels according to regular Cap Layout)

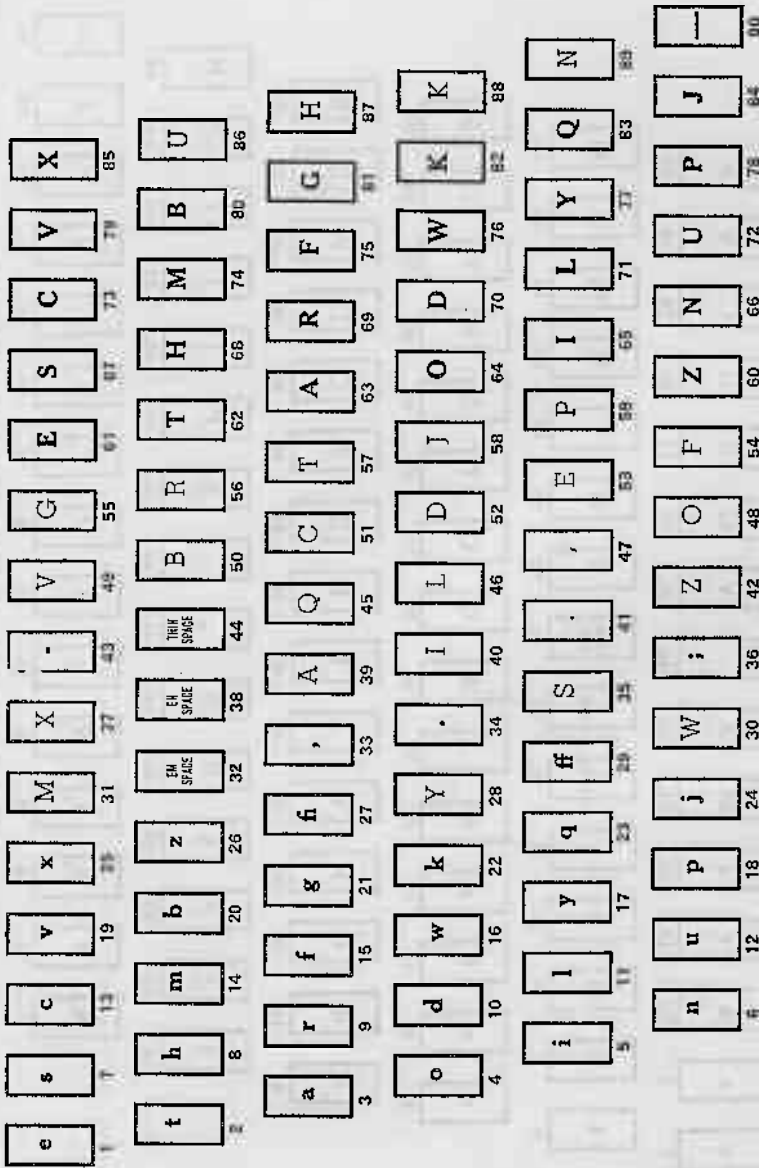
DIAGRAM No. 22-A



LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CENTER CHANNELS — CAPS OF ANOTHER FACE IN CAP CHANNELS
 (Caps in center channels according to regular Small Cap Layout)

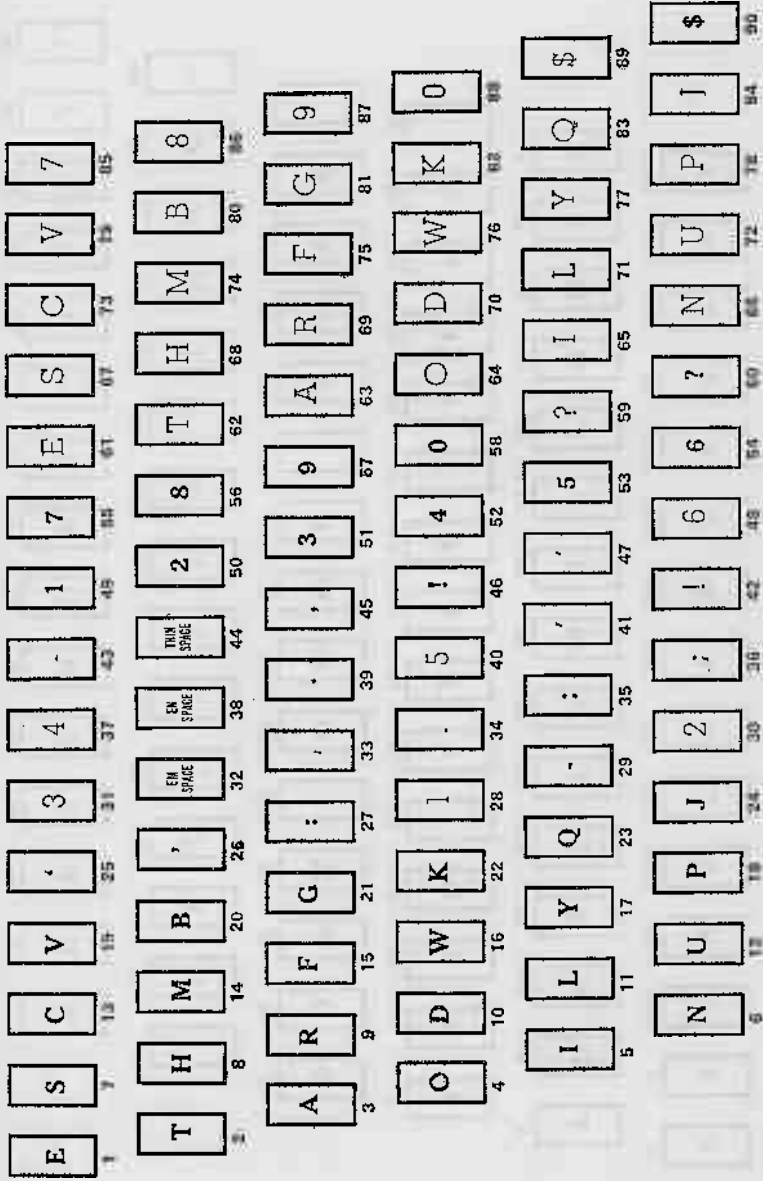
(90) USEFUL MATRIX INFORMATION

DIAGRAM No. 22-B



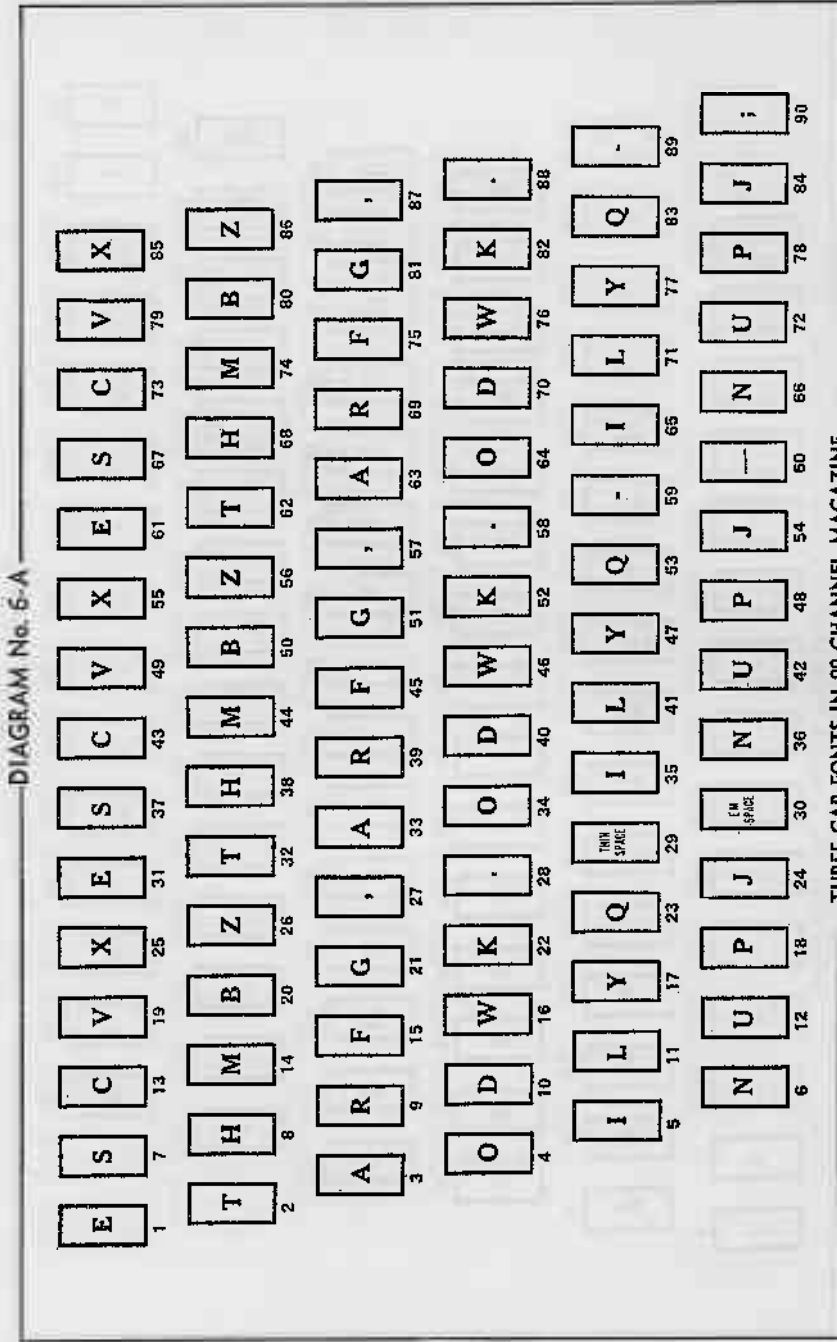
LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CAP CHANNELS—CAPS OF ANOTHER FACE IN CENTER CHANNELS

DIAGRAM No. 87



TWO CAP FONTS IN 90-CHANNEL MAGAZINE

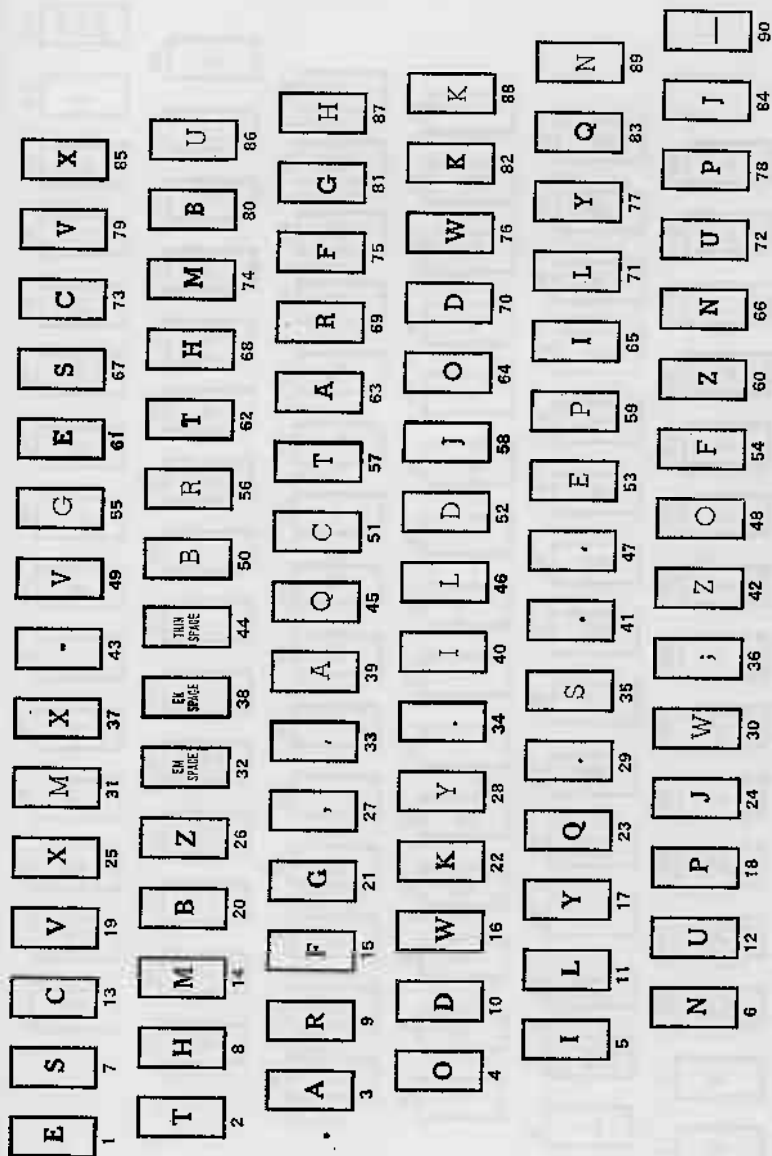
(92) USEFUL MATRIX INFORMATION



THREE CAP FONTS IN 90-CHANNEL MAGAZINE

(Caps in center channels according to regular Cap Layout)

DIAGRAM No. 22

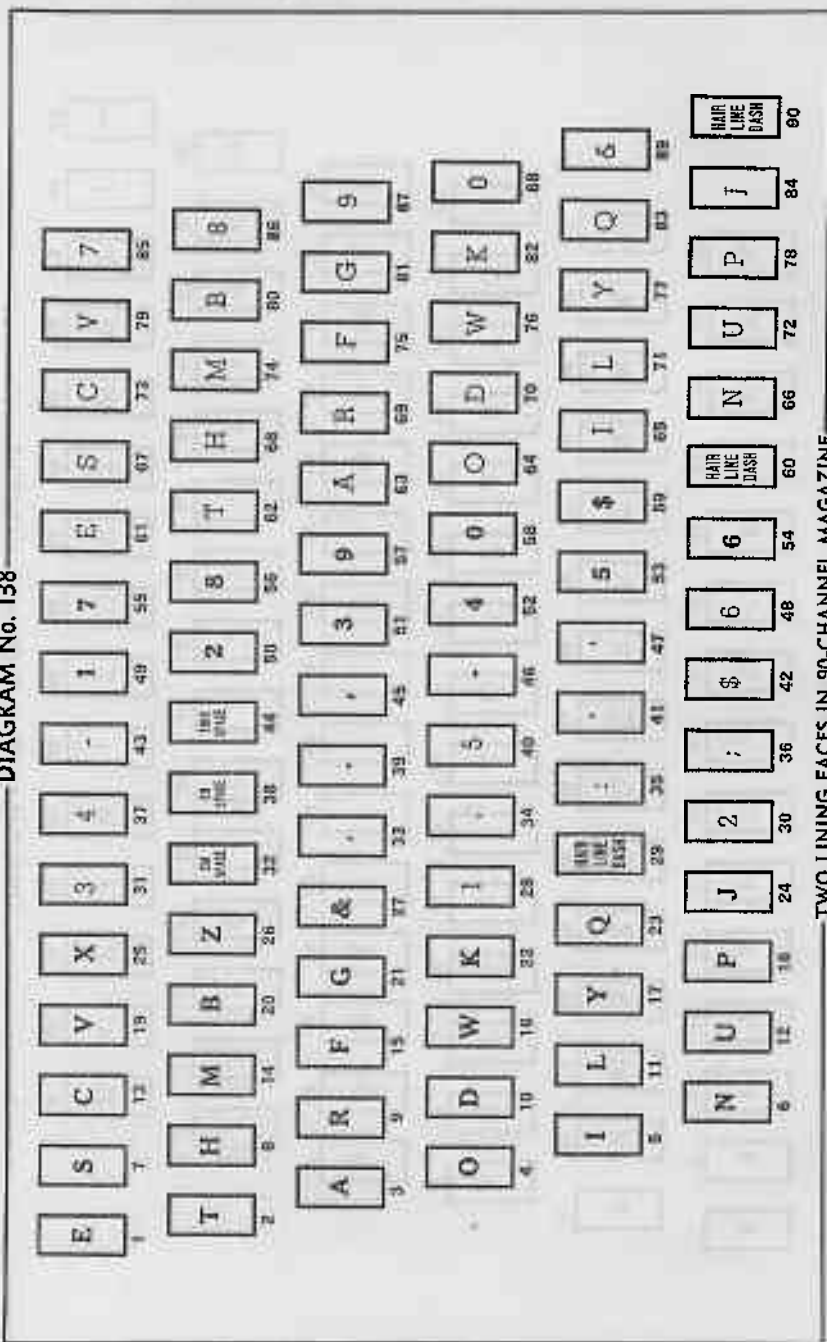


THREE CAP FONTS IN 90-CHANNEL MAGAZINE

(Caps in center channels according to regular Small Cap Layout)

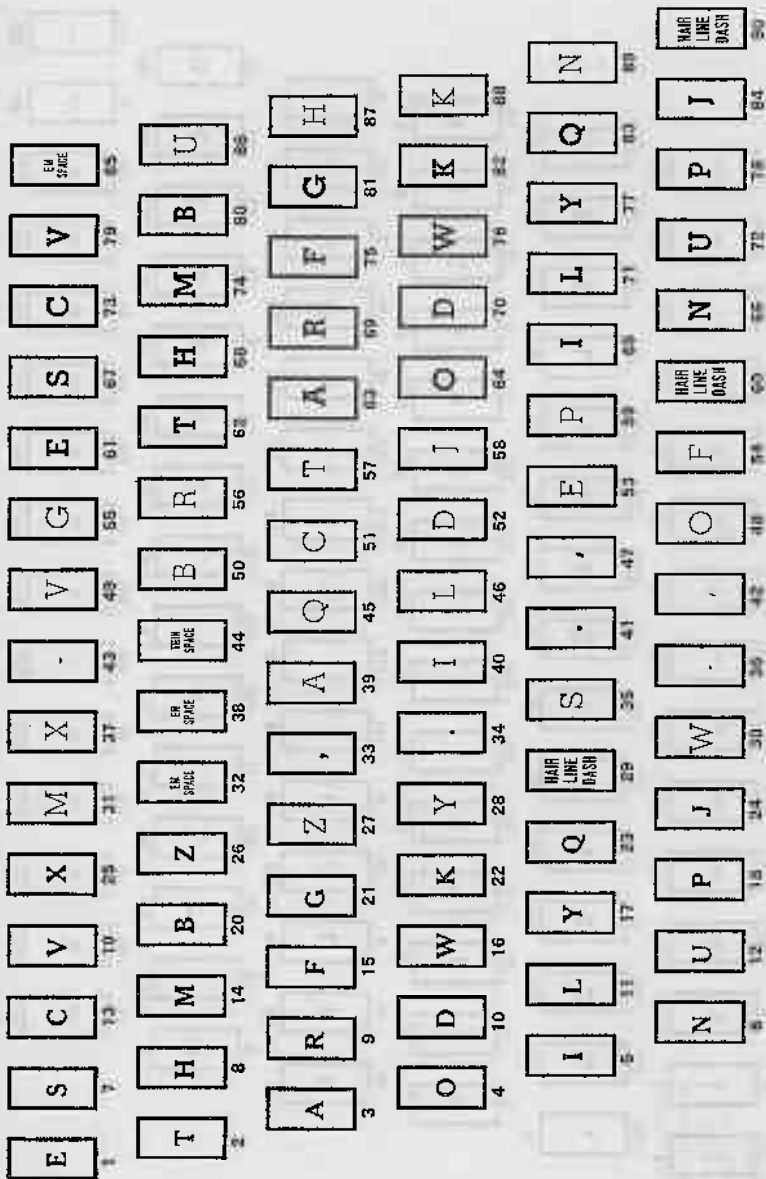
(94) USEFUL MATRIX INFORMATION

DIAGRAM No. 138



TWO LINING FACES IN 90-CHANNEL MAGAZINE

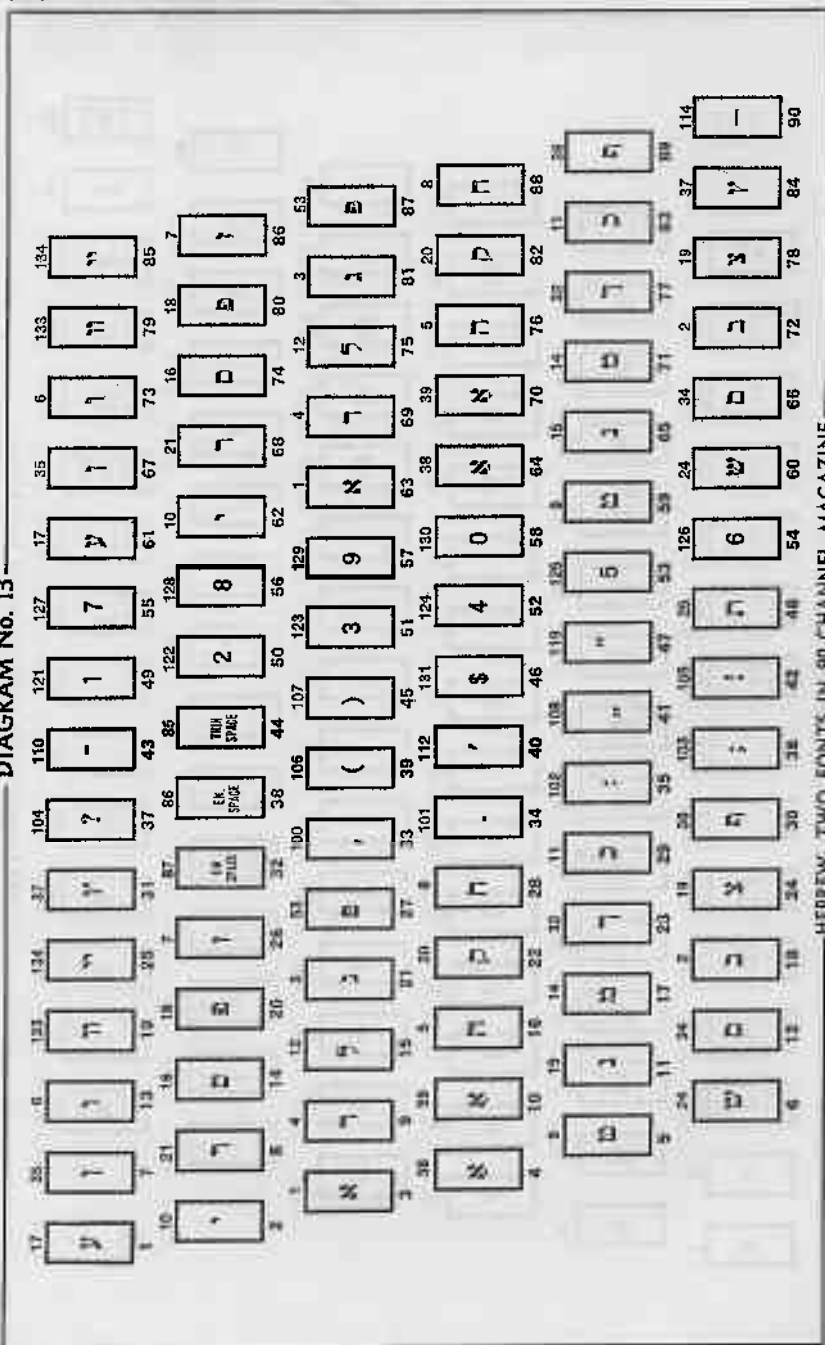
DIAGRAM No. 98



THREE LINING FACES IN 90-CHANNEL MAGAZINE

(96) USEFUL MATRIX INFORMATION

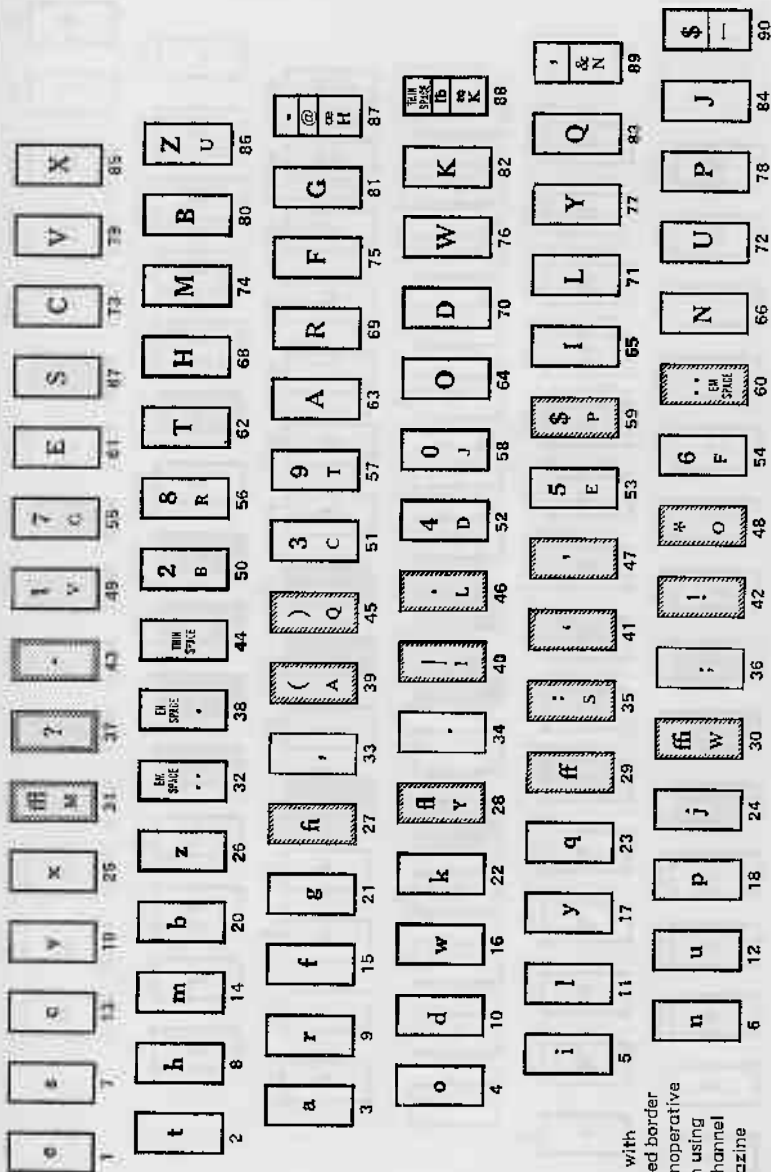
DIAGRAM No. 13



HEBREW—TWO FONTS IN 90-CHANNEL MAGAZINE

(Numbers over keyboards are character numbers.)

DIAGRAM No. 150

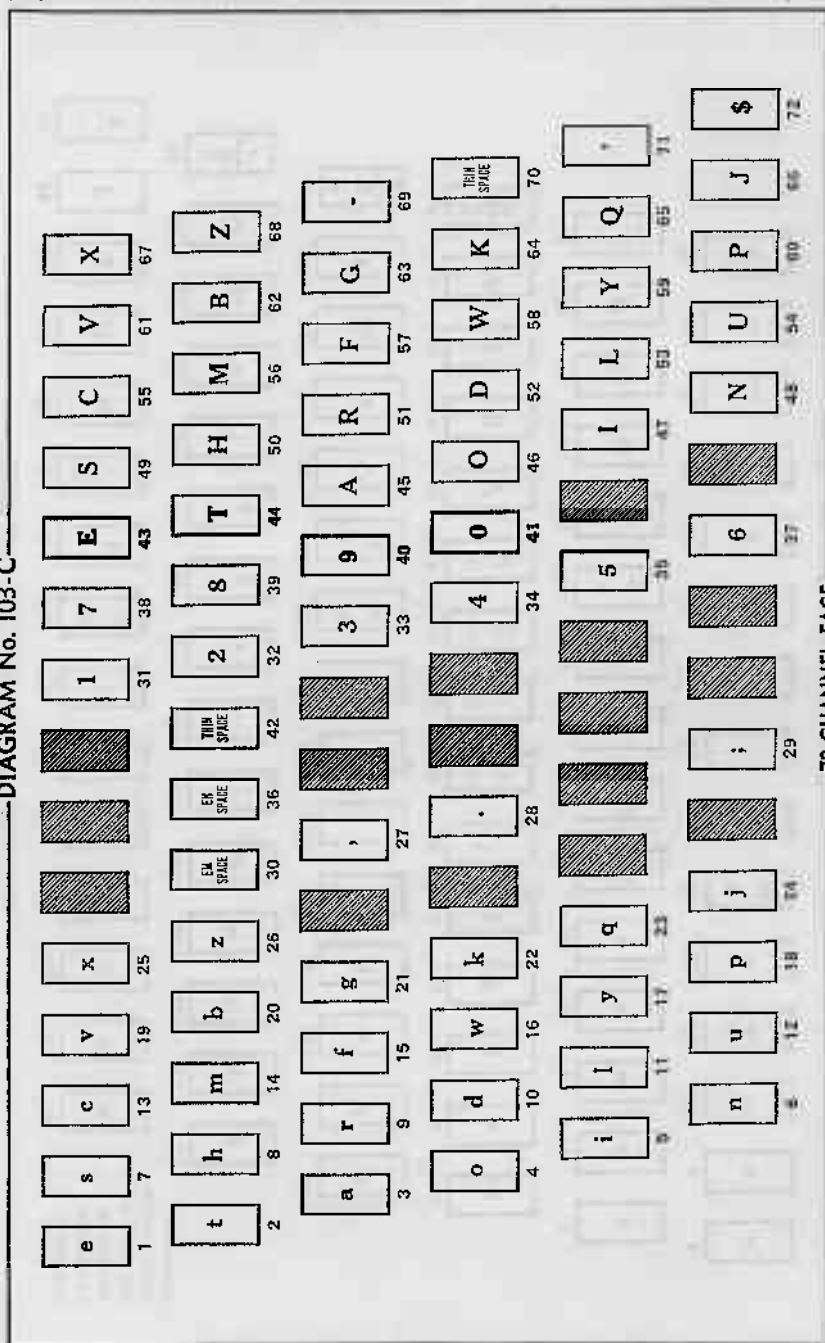


Keys with shaded border are inoperative when using 72-channel magazine

72-90-CHANNEL KEYBOARD, 2 IN 1 LINOTYPE
(Combination of Diagrams 12 and 103-C)

(98) USEFUL MATRIX INFORMATION

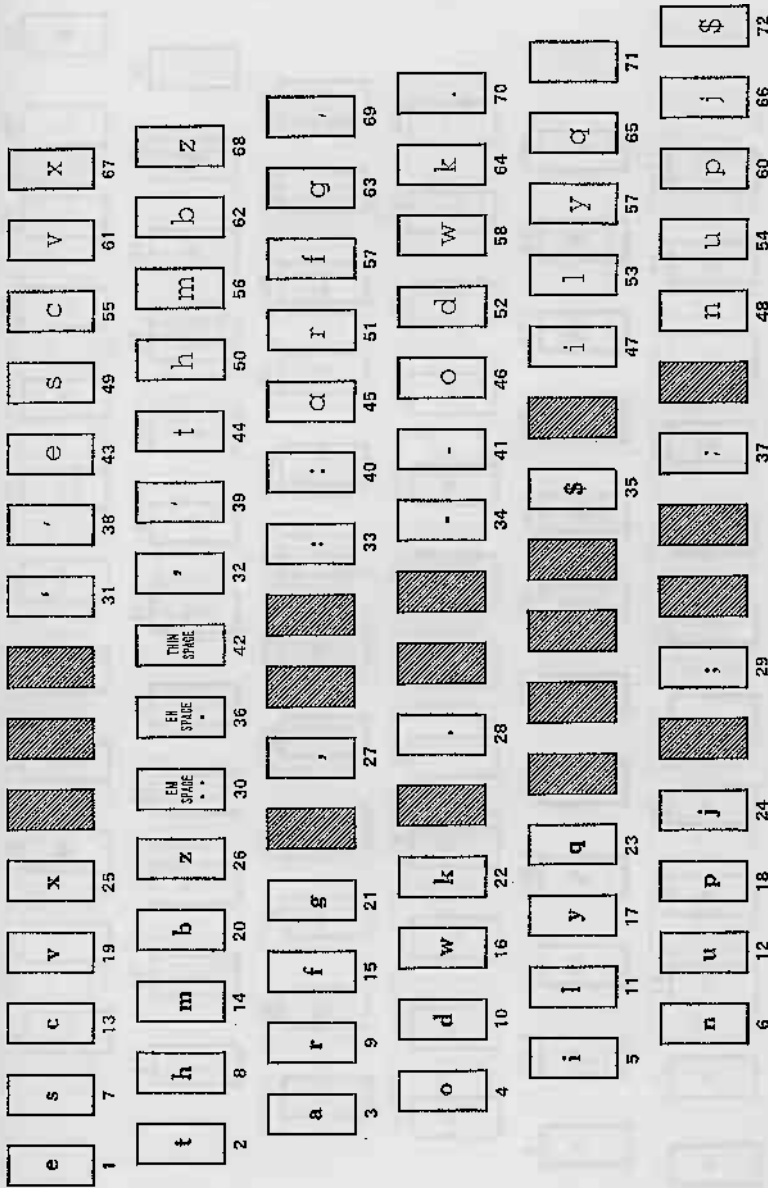
DIAGRAM No. 103-C



72-CHANNEL FACE

(72-90-Channel Keyboard, 2 in 1 Linotype)

DIAGRAM No. 149

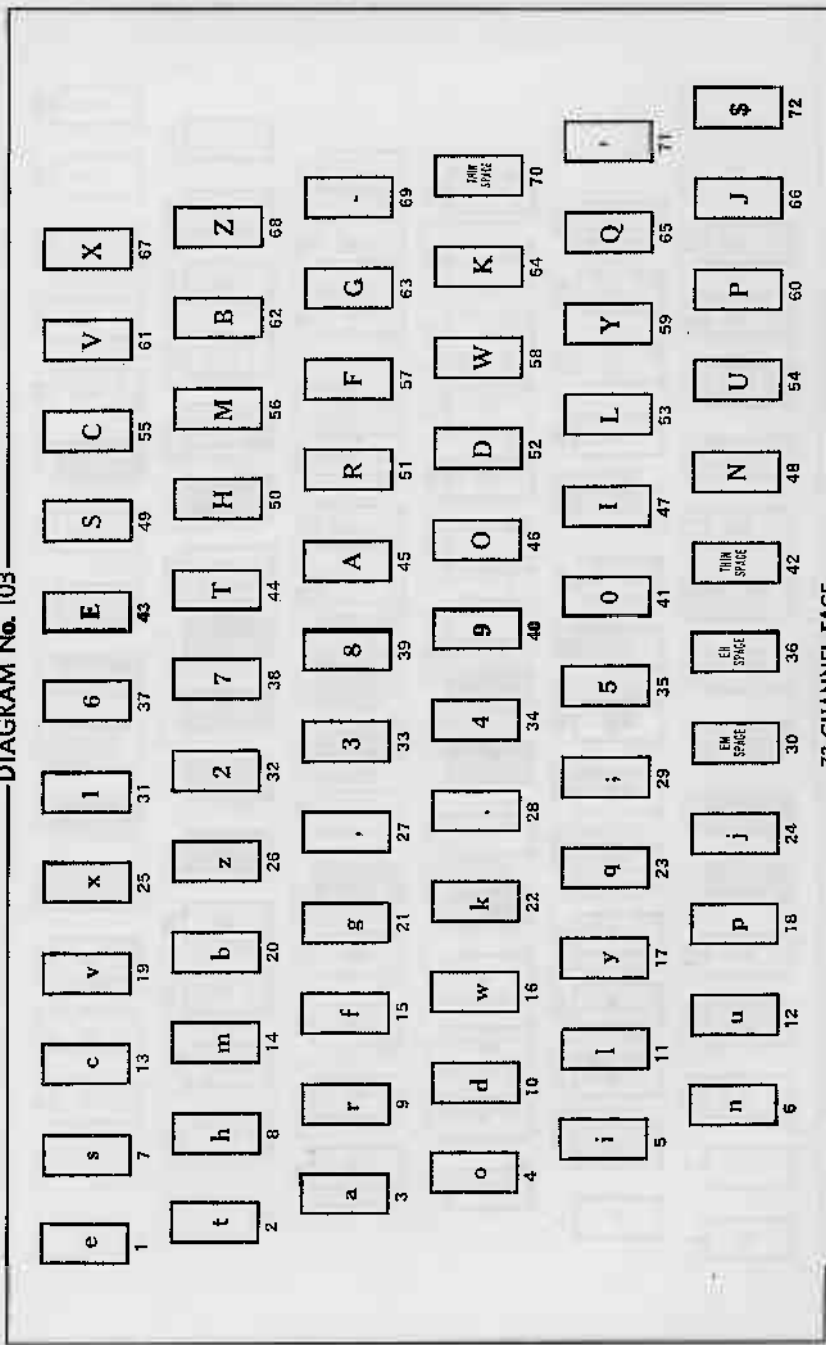


TWO LOWER CASE FONTS IN 72-CHANNEL MAGAZINE

(72-90-Channel Keyboard, 2 in 1 Linotype)

(100) USEFUL MATRIX INFORMATION

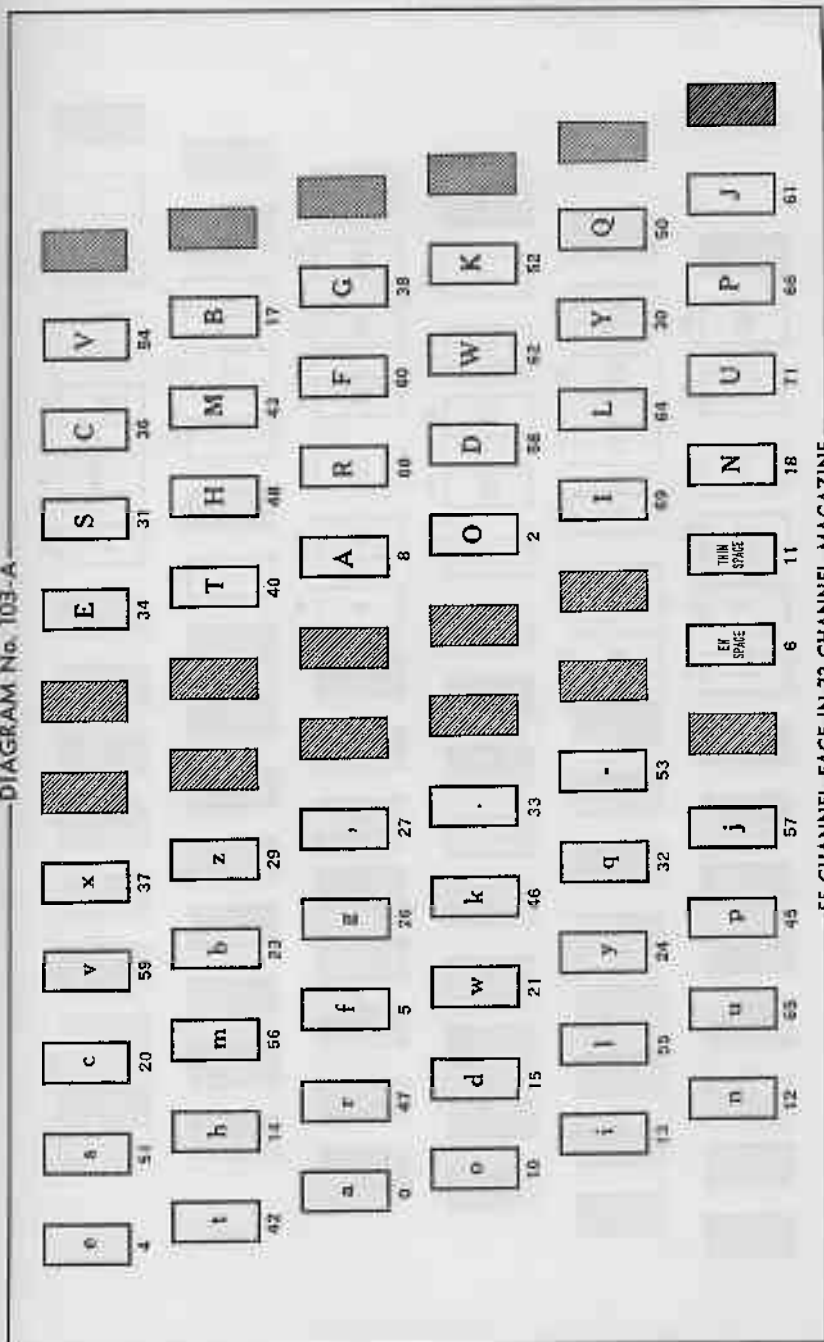
DIAGRAM No. 103



72-CHANNEL FACE

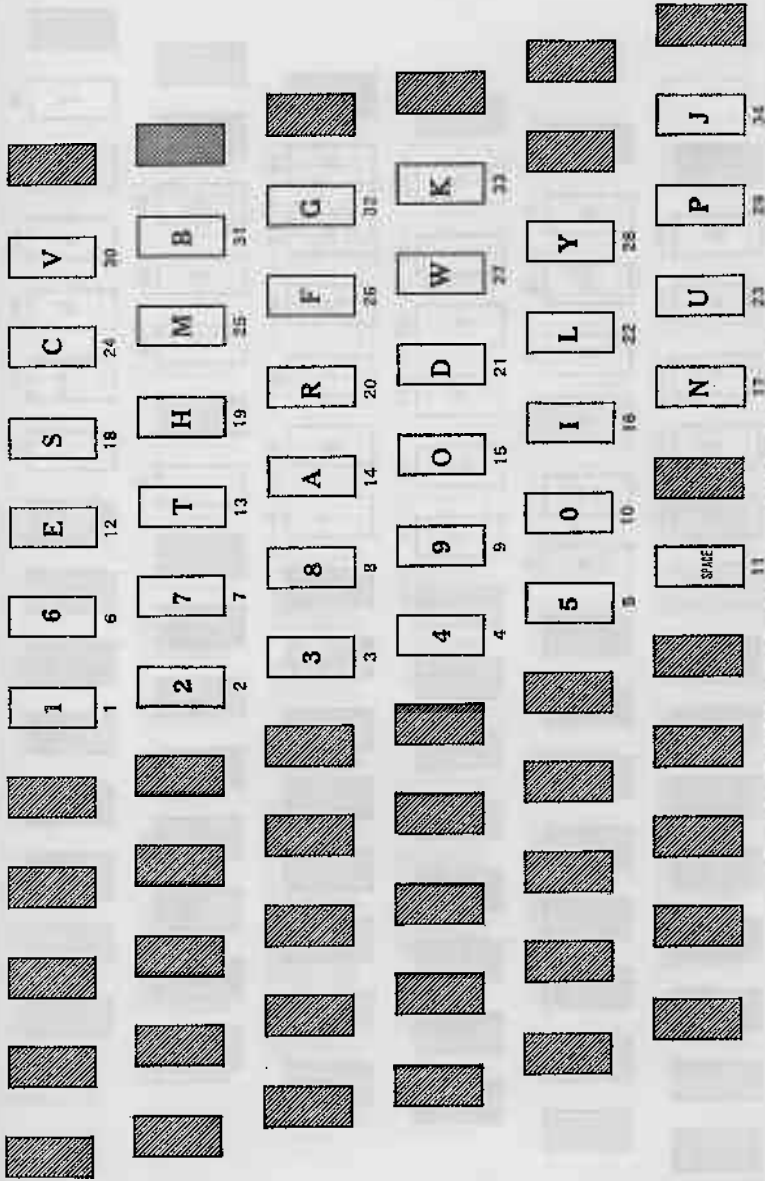
(72-Channel Keyboard)

DIAGRAM No. 103-A



55-CHANNEL FACE IN 72-CHANNEL MAGAZINE
(72-Channel Keyboard)

DIAGRAM No. 163



CAPS AND FIGURES IN 34-CHANNEL AUXILIARY MAGAZINE

(72-Channel Keyboard)

(104) USEFUL MATRIX INFORMATION

DIAGRAM No. 52-A

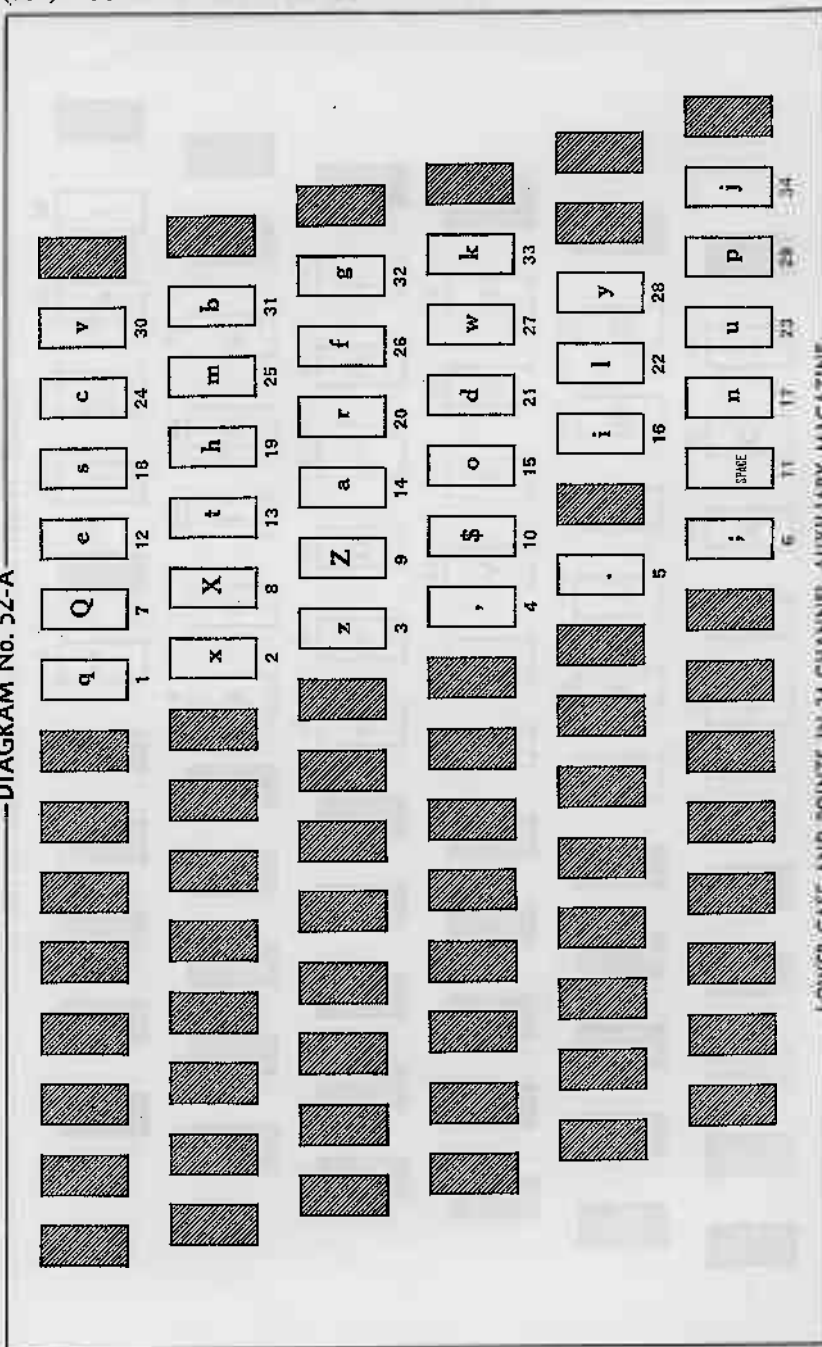
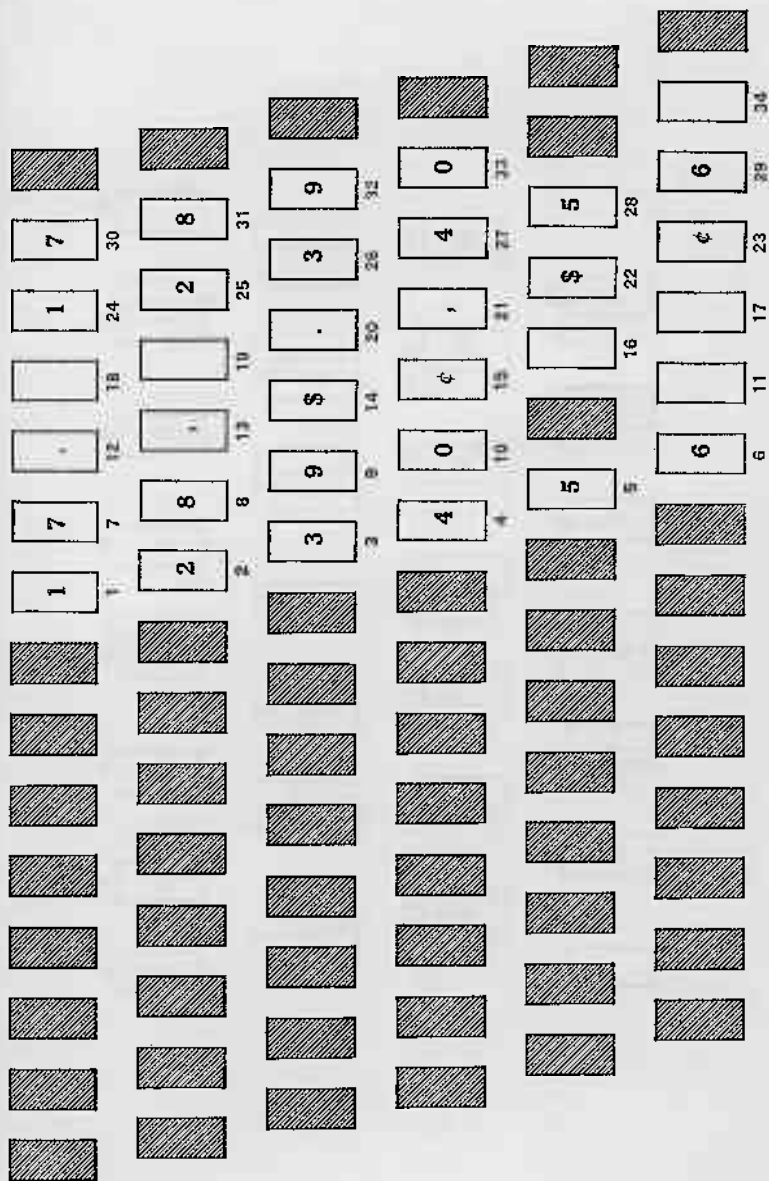


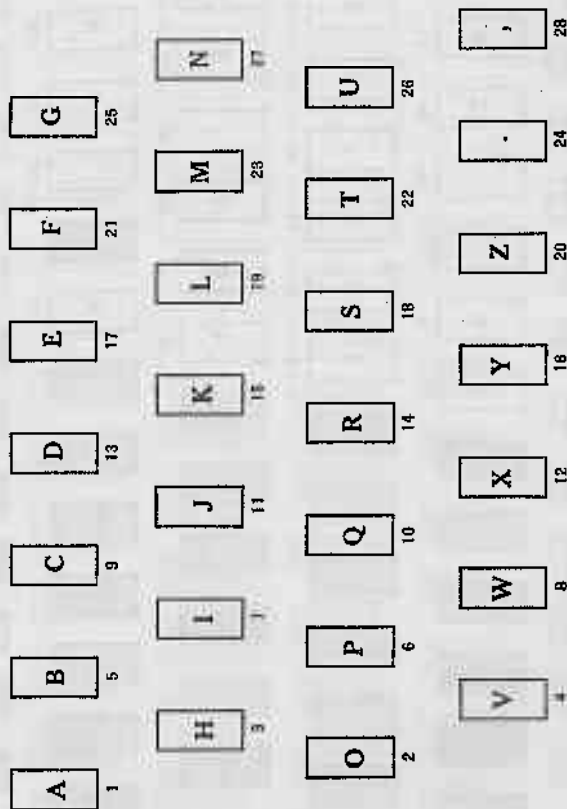
DIAGRAM No. 51-A



TWO SETS OF ADVERTISING FIGURES IN 34-CHANNEL AUXILIARY MAGAZINE

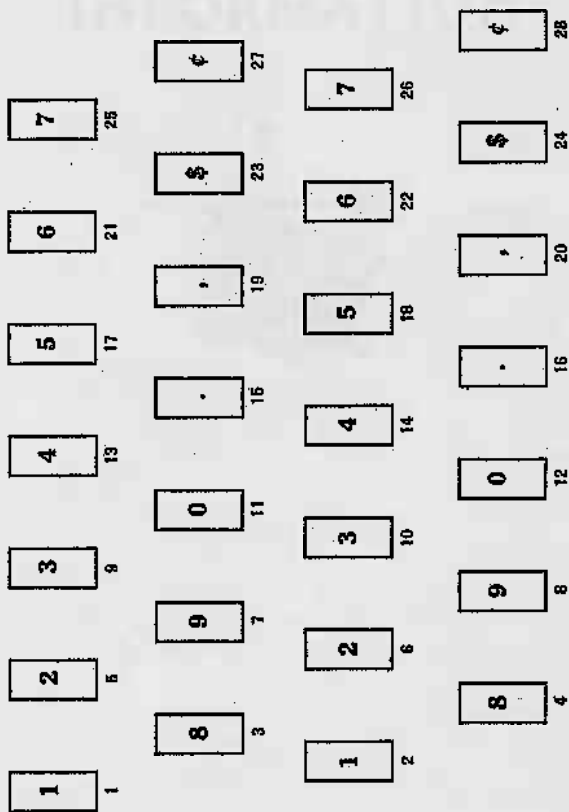
(106) USEFUL MATRIX INFORMATION

DIAGRAM No. 95



CAPS IN 25-CHANNEL AUXILIARY MAGAZINE

DIAGRAM No. 96



TWO SETS OF ADVERTISING FIGURES IN 28-CHANNEL AUXILIARY MAGAZINE

ALL-PURPOSE LINOTYPE MATRIX INFORMATION



The All-Purpose Linotype

DESCRIPTION

The A-P-L is a complete, self-contained unit for the casting of type in the form of slugs in faces ranging from 5 point to 144 point; the casting of furniture, rules, borders, decorative and spacing material from 2 point to 72 point body and 42 picas in length. The compositor sets and justifies the matrices by hand in sticks similar to the printer's composing stick. Standard A-P-L matrices are made to align the characters at the bottom in all point sizes up to 144 point. Two-letter, one-letter and display standard Linotype matrices, and other hand-set matrices, may be used with equal facility. As the A-P-L has no complicated technical features, and the main functions are the same as those employed in hand composition, any compositor can quickly become proficient in its operation. The setting and justifying of the line of matrices, letter spacing and other details are handled in exactly the same way as type composition.

The stick of justified matrices is inserted in the jaws, a lever pulled, the slug automatically cast and cooled, ready for immediate use and the stick of matrices returned for distribution. The entire cycle of operation is completed in less than ten seconds. The stick of matrices may be left in the machine and any number of duplicate slugs cast automatically without further attention; or just as soon as the lever is pulled to cast the first line, the operator is free to begin composing another line in an extra stick, without waiting for the first to be delivered.

The A-P-L is essentially a printer's tool and should not be confused with keyboard composing machines with reference to special training or qualifications for its operation. All the common principles of universal practice in setting type by hand are embodied in A-P-L operation.

EQUIPMENT

To the basic unit may be added many features, some of which are necessary to all installations and others that are desirable, depending upon the requirements of the individual plant. For example, the A-P-L may be used as supplementary equipment to Linotype installations to produce faces beyond the range of the

equipment on the Linotype. In other cases, the A-P-L may be required to cover a complete range of type sizes, also furniture, spacing and ornamental material, rule forms, etc.

MATRIX DATA

The development of the A-P-L has introduced an entirely new feature in matrix design. The A-P-L matrix, having a perfectly flat banking surface which is presented to the equally flat surface of the mold, performs its function in the machine without friction or wear. This feature insures long life for the matrix. Another exclusive feature of the A-P-L matrix is the development of universal, controlled alignment. The matrices align at the bottom, or base of the letter, which presents unlimited possibilities in typographical arrangement, intricate advertising effects, and composition now difficult to produce by other methods.

ALIGNMENT

The type families, from 18 point up, have been divided into two classifications, namely high alignment and low alignment, according to the characteristics of design. For example, a face having long descenders (Bodoni) would fall into the high alignment field, while another family having short descenders (Metro) would be low alignment. All sizes, 18 point and larger, of each classification align with each other. Faces of different classification would rarely or never be combined, except perhaps in the smaller sizes. To allow this to be done, all faces, 14 point and smaller, are made on low alignment only.

ITALIC

Italic faces fall into three classes, depending upon the angle of the characters, namely 12, 15 and 22 degrees. This has been done to preserve true characteristics of design and to avoid that distortion which would necessarily result if a uniform angle for all faces was used.

FONT SCHEMES

A generous variety of the most popular faces is available in a full range of sizes. For convenience, three different sizes of suggested fonts are provided, any of which may be increased or decreased to meet individual requirements. An installation may be modestly begun and additional sorts purchased as needed.

(112) USEFUL MATRIX INFORMATION

For general composition requirements up to 72 point the No. 3 font is recommended. The No. 1 font is sufficient for 22-pica lines. No. 2 font is adequate for open display matter in 42-pica lines, but No. 3 is preferable for general use where the maximum measure of 42 is frequently required.

Font schemes for sizes above 72 point have not been suggested, since it is recommended that only one matrix of each character be ordered for casting type for the case by cutting it on the saw.

USE OF NON-A-P-L MATRICES

Regular Linotype matrices, in a great variety of faces, may be used on the A-P-L, by providing the proper stick and mold for that purpose. Other hand-set matrices may also be used on the A-P-L by the use of a special stick only.

Regular Linotype and other hand-set matrices, being different in shape and design, cannot be mixed in the same line with A-P-L matrices, nor with each other. If necessary, they can be cast separately and cut in.

SPACES

The use of high and low spaces is well understood by the trade. High spaces may be reversed in the stick to cast low. High spacing material is required for good stereotyping conditions and for wax moulding. Low spaces are used in all combination casting with overhanging slugs.

MATRIX BLOCKS

We will supply in the form of A-P-L matrix blocks many of the designs which have been produced heretofore in Linotype matrix slides. This would ordinarily apply to plain rule combinations, and the body size would be limited to 36 point. Full face rules up to 144 point body, for tint blocks and heavy bands, can be supplied on special order, and prices will be quoted on request. Where we are required to make any design, whether rule or ornamental, larger than 36 point, the price will be quoted on request.

All A-P-L matrix blocks with a design on one side can be reversed for casting low furniture or if desired, a cut can be made in the opposite side for casting high furniture, without extra charge. All designs will have to cast on a body two points larger than the corresponding Linotype matrix slide point size, owing to the taper on the side of the routing.

ACCENTS

Low cap accents cannot be supplied with A-P-L faces. It is necessary to use high caps in all cases. This requires that a given face be cast on a body size from 6 to 12 points larger than the point size of the face, with corresponding change in alignment adjustment by means of the dial.

For example, a line of 60 point with cap accents must be cast on 72 point body, with the dial set for 72 point alignment. Alternatively, any face can be cast on its own body and alignment, by allowing the accent to overhang on the constant edge supported by under-pinning. Piece accents, cast on a separate 12 point slug and justified over individual characters as in hand type, must be used on all faces 72 point and larger. All lower case accents, except ascending characters, can be cut on the matrix and cast on its own body and alignment.

A-P-L Matrix Font Schemes

ROMAN AND ITALIC

Point Size	14 to 24			30 to 48			54 & 60			72		
Font Scheme	1	2	3	1	2	3	1	2	3	1	2	3
A	5	6	7	5	5	6	3	3	5	3	3	4
B	4	5	5	3	3	3	2	2	4	2	2	3
C	4	5	8	3	3	5	3	3	5	2	2	4
D	4	5	6	3	3	5	2	2	4	2	2	3
E	5	7	10	5	5	7	4	4	6	4	4	5
F	4	4	4	3	3	5	2	2	4	2	2	3
G	4	4	4	3	3	5	2	2	4	2	2	3
H	4	5	6	3	3	5	2	2	4	2	2	3
I	5	6	7	3	3	5	2	2	4	2	2	3
J	2	2	2	2	2	2	2	2	2	2	2	2
K	2	3	3	2	2	3	2	2	3	2	2	3
L	5	5	6	4	4	6	3	3	4	3	3	4
M	4	4	6	3	3	4	2	2	4	2	2	3
N	5	5	7	3	3	4	3	3	4	3	3	4
O	5	5	7	4	4	6	3	3	4	3	3	4
P	4	4	4	3	3	4	2	2	4	2	2	3
Q	2	2	2	2	2	2	2	2	2	2	2	2
R	4	5	6	4	4	6	3	3	4	3	3	4
S	4	5	8	4	4	6	3	3	5	3	3	4
T	4	5	9	4	4	7	4	4	5	4	4	5
U	4	4	4	4	4	4	3	3	4	3	3	4
V	2	3	3	2	2	3	2	2	3	2	2	3
W	3	3	3	3	3	3	2	2	3	2	2	3
X	2	2	2	2	2	2	2	2	2	2	2	2
Y	2	3	3	2	2	3	2	2	3	2	2	3
Z	2	2	2	2	2	2	2	2	2	2	2	2
G	1	2	2	1	1	1	1	1	1	1	1	1
a	6	6	10	5	5	6	3	3	6	3	3	5
b	4	5	5	3	3	5	3	3	4	3	3	4
c	4	5	6	3	3	5	3	3	4	3	3	4
d	4	5	8	3	3	5	3	3	4	3	3	4
e	6	7	10	5	5	6	4	4	6	4	4	5
f	4	5	6	3	3	4	3	3	4	3	3	4
g	4	5	6	3	3	4	3	3	4	3	3	4
h	4	5	9	3	3	5	3	3	4	3	3	4
i	5	6	9	3	3	6	3	3	6	3	3	5
j	2	3	3	2	2	3	2	2	3	2	2	3
k	3	3	4	3	3	4	3	3	4	3	3	4
l	5	6	9	4	4	6	3	3	4	3	3	4
m	4	5	7	3	3	4	2	2	4	2	2	3
n	5	5	9	4	4	6	3	3	4	3	3	4
o	5	6	10	4	4	6	3	3	4	3	3	4
p	4	5	5	3	3	4	2	2	4	2	2	3
q	2	2	2	2	2	2	2	2	2	2	2	2
r	5	5	9	4	4	6	3	3	4	3	3	4
s	5	6	10	4	4	6	3	3	4	3	3	4
t	5	6	10	4	4	6	3	3	4	3	3	4
u	5	5	6	4	4	6	3	3	4	3	3	4
v	3	4	4	3	3	4	2	2	4	2	2	3
w	3	4	5	3	3	4	2	2	4	2	2	3
x	2	3	3	2	2	3	2	2	3	2	2	3
y	2	3	3	2	2	3	2	2	3	2	2	3
z	2	3	3	2	2	3	2	2	3	2	2	3
1	4	5	8	4	4	5	3	3	4	3	3	4
2	3	4	5	3	3	4	2	2	3	2	2	3
3	3	4	5	3	3	4	2	2	3	2	2	3
4	3	4	5	3	3	4	2	2	3	2	2	3
5	3	4	5	3	3	4	2	2	3	2	2	3
6	3	4	5	3	3	4	2	2	3	2	2	3
7	3	4	5	3	3	4	2	2	3	2	2	3
8	3	4	5	3	3	4	2	2	3	2	2	3

A-P-L FONT SCHEMES (117)

Point Size	14 to 24			30 to 48			54 & 60			72		
	1	2	3	1	2	3	1	2	3	1	2	3
9	3	4	5	3	3	4	2	2	3	2	2	3
0	6	6	8	6	6	6	6	6	6	6	6	6
\$	3	4	6	3	3	5	3	3	3	3	3	3
4	4	4	5	2	2	4	2	2	4	2	2	4
5	5	5	6	3	3	5	5	5	5	5	5	5
2	2	2	3	2	2	3	2	2	3	2	2	3
2	2	2	3	2	2	3	2	2	3	2	2	3
2	2	2	3	2	2	2	2	2	2	2	2	2
2	2	2	3	2	2	2	2	2	2	2	2	3
2	2	2	2	2	2	2	1	1	1	1	1	2
2	2	2	2	2	2	2	1	1	1	1	1	2
2	2	2	2	2	2	2	3	3	3	3	3	3
2	2	2	2	2	2	1	1	1	2	1	1	2
2	2	2	4	2	2	2	2	2	2	2	2	2
2	2	2	4	2	2	2	2	2	2	2	2	2
%	2	2	4	2	2	2	2	2	2	2	2	2
1/2	1	1	1	1	1	1	1	1	1	1	1	1
1/3	1	1	1	1	1	1	1	1	1	1	1	1
2/3	1	1	1	1	1	1	1	1	1	1	1	1
fl	1	1	1	1	1	1	1	1	1	1	1	1
ff	1	1	1	1	1	1	1	1	1	1	1	1
ffi	1	1	1	1	1	1	1	1	1	1	1	1
ffl	1	1	1	1	1	1	1	1	1	1	1	1
Total No. 1	277			242			199			199		
	(274)			(239)			(196)			(196)		
Total No. 2		322			246			199			199	
		(319)			(243)			(196)			(196)	
Total No. 3			425			332			281			257
			(422)			(329)			(278)			(254)

Italic font totals, shown in parentheses, are three less than corresponding Roman totals, due to the omission of three fractions, 1/2, 1/3 and 2/3 in all Italic fonts.

NOTE: Roman and Italic A-P-L faces are also available in 6, 8, 10 and 12 point sizes. Quantities are double those of 14 pt. No 1 Schemes. Sorts, J-3849; Fonts, J-4510.

A-P-L SPACE FONT SCHEMES

ROMAN (LOW AND HIGH)

*Body Size	18			24-30			36-48			54-60			72		
Font Scheme	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Widths															
48 pt.			4			4			4			4			4
36 pt.	2	2	6			6			4			4			4
24 pt.	2	4	8		2	8			6			6			6
18 pt.	4	4	8	2	4	8			4	8		8			8
12 pt.	8	8	10	8	6	10	6	6	10	6	6	8	6	6	8
6 pt.	10	10	12	10	10	12	8	8	12	8	8	10	6	8	10
2 pt.	14	14	16	10	12	16	8	8	14	8	8	12	8	8	12
1 pt.	14	14	16	10	12	16	8	8	14	8	8	12	8	8	12
Total No. 1	54			40			30			30			28		
Total No. 2	56			46			34			30			30		
Total No. 3			80			80			72			64			64

ITALIC (LOW AND HIGH)

*Body Size	12°—15°—22°			24-30			36-72		
Font Scheme	1	2	3	1	2	3	1	2	3
Widths									
18 pt.	4	4	8	2	4	8		4	8
12 pt.	8	8	10	8	6	10	6	6	10
6 pt.	10	10	12	10	10	12	8	8	12
2 pt.	14	14	16	10	12	16	8	8	14
1 pt.	14	14	16	10	12	16	8	8	14
Total No. 1	50			40			30		
Total No. 2		50			44			34	
Total No. 3			62			62			58

*Body size indicates size of face for which respective quantities of spaces are suggested.

Typographic REFINEMENTS

TRADE **LINOTYPE** MARK

Several major typographic refinements have recently been introduced by Linotype in the field of machine composition. These include:

A True One-Letter Italic

in which the grace and beauty of the original italic is reproduced with fidelity. *Notice the full sweep in the lower kerning portion of the eff*

ONE-LETTER ITALIC, SPECIAL NO. 5

abcdefghijklmnopqrstuvwxyz

SPECIAL TWO-LETTER SMALL CAPS

which are slightly larger than the conventional small caps, with each character correctly proportioned in weight and width

SPECIAL TWO-LETTER SMALL CAPS

ABCDEFGHIJKLMN OPQRSTUVWXYZ &

ABCDEFGHIJKLMN OPQRSTUVWXYZ &

ADDITIONAL LOGOTYPES

in all point sizes, to further refine the fitting of Roman and Italic characters and remove unsightly open spaces in certain letter combinations

LINOTYPE

LINOTYPE MATRIX ORDER

LINOTYPE

Trade & Mark

For Typographic Refinement Characters†

MERGENTHALER LINOTYPE COMPANY
Order Department, 29 Ryerson St., BROOKLYN, New York

Size and Face † Ref. Mark Δ
(State Size, Name and Number of Face)

Machine Model No. Magazine Bridge Combination

† These characters are available in a limited number of faces as shown under "List of Characters" in printed specimens. Additional information on request.

Special Character Name with Code	3-Letter Characters (No. 51)				Accents				3-Letter Italic	
	Lower Case Style	Uppercase Style	Lower Case Style	Uppercase Style	2-Letter Roman with Italic					
A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
B	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
C	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
D	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
F	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
G	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
H	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
I	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
J	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
K	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
M	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
O	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
P	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Q	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
R	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
S	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
T	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
U	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
V	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
W	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

*Quote-comma, to eliminate gap as in 'Yes,' quote-period, as in 'Yes!'

Remarks

Ship to Ship by Dated 19

Address
(Number) (Street) (City) (State)

Charge to Customer's Order No.

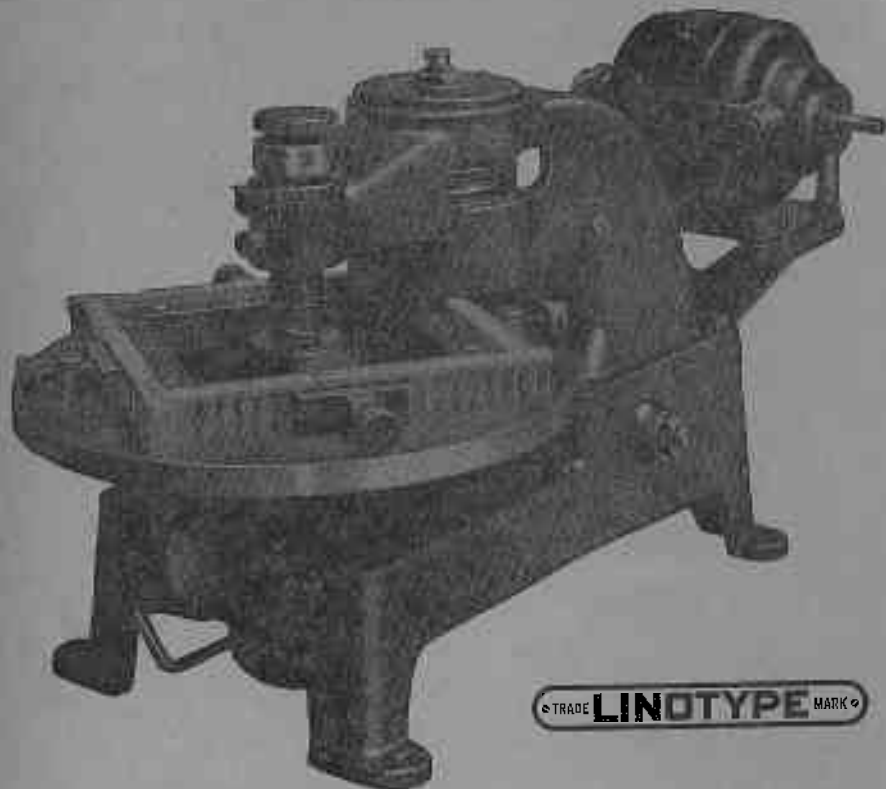
SIGN HERE M. L. Co. Order No.

The above is a reduced size reproduction of the order form designed for convenience in ordering Typographic Refinement Characters. This and other forms will be sent free on request. Apply to your nearest Linotype Agency.

Linotype Matrix Orders

All orders for Linotype matrices should be written on standard Linotype order forms. This will enable your order to be filled accurately and promptly.

Order forms for either Linotype faces, accents, fractions, special characters, typographic refinement characters, and border matrices and slides may be obtained in any quantity free on request from your nearest Linotype Agency.



TRADE **LINDTYPE** MARK

SURFACING MACHINE

**. . . For All Forms of Display
Type Metal Printing Material**

This is a precision tool, designed and built with characteristic Linotype workmanship and quality throughout. It is so simple in principle, so certain in operation, so productive in capacity that a five-minute demonstration will amaze you. Production is continuous, and anyone in the composing-room can operate it. Material to be processed may easily be inserted and removed without slowing or stopping the machine. Depth of cut may be regulated to within the fractional part of one one-thousandth of an inch.

Write the nearest agency for the explanatory descriptive folder which gives additional details.

**USEFUL
MATRIX
INFORMATION**



OCTOBER, 1937