

Class Characteristics of Hand Printing

Ellen Mulcrone Schuetzner

Forensic Document Examiner, PMB 161, 6348 N. Milwaukee Avenue, Chicago, IL 60646-3728

In an examination of hand printing, it may be necessary for the Forensic Document Examiner to check standards of hand printed systems. This paper catalogs 38 identified systems of hand printing. Upper and lower case letterforms are drawn out and labeled according to an identified copy book system of hand printing.

“Not all characteristics encountered in document examination are peculiar to a single person or thing, and one that is common to a group may be described as a class characteristic.”

--Ordway Hilton
*Scientific Examination of
Questioned Documents, 1982*

Class characteristics of hand printing are used in the identification and elimination of a writer when manuscript is in question. The presence of class characteristics cannot be used solely in the identification of a writer, but can be a starting point in the examination.

Copybook forms were once taught throughout school systems. Copybook forms are still available in penmanship education. However, times have changed. The teaching of handwriting is not as regimented as it was when whole school systems designated a particular handwriting copybook. As was noted in the 1993 ASQDE Survey of Handwriting Systems, handwriting lessons may not be reinforced in a traditional sense.

Therefore, class characteristics may no longer fall into just the realm of copybook forms. The publication of the papers on continental class characteristics prepared by the examiners at the Immigration and Naturalization Service (I.N.S.) Laboratory demonstrated the presence of common characteristics worldwide.

To digest the information on domestic and foreign handwriting systems now becomes a daunting task. In an effort to compile the information into an easy format, charts were made of thirty-eight (38) manuscript systems and the class characteristics identified in the I.N.S. papers.

The following Appendix A shows charts of letterforms. Each page of the charts contains drawings of the main letterforms, upper and lower case. Many systems are close copies of other systems, however, no two are exactly alike. Each chart begins with the Palmer Method manuscript letterform. All numbers and arrows to designate strokes are drawn in, when they were available.

The next drawn character is another form of the letter. The italic description briefly defines the characteristic(s) that distinguish it from the other systems. Then, the system(s) for which the description is appropriate is listed. Each letter, both upper and lower case, is broken down in this manner.

The descriptions are brief and generally categorize the letterform. Such as in the upper case D, three systems are listed as having a narrow D: Settlement House, Goodfellow, and Hill/Savage. These systems are not exact replications of each other; rather, they contain a letterform that is similar to each other and narrower than the Palmer Method upper case D.

In some systems, such as the Italic system, the writer is given choices in the forms of some letters. All options are drawn and listed according to the system. For example, in the Italics systems, there are two choices for the upper case N. Both forms are listed next to the appropriate drawing.

It should be noted that some hand printing systems are slanted. Traditional systems are taught with horizontal and vertical lines. In some of the newer systems and the Irish systems, slanted lines are used. The following systems use slanted letterforms:

- Carson-Dellosa
- Cremer Gaelic
- D'Nealian
- I.F. Modern
- Italic
- Nelson
- Noonan
- Settlement House
- Shiotsu
- Stone/Smalley
- Thoman Modern

The slant may not be depicted in the drawings on the following pages, however, the slant should be considered part of the class characteristic of that system.

Class characteristics of foreign writers are also included in the following charts. In the I.N.S. papers, the identified characteristic was counted according to countries. Each country's data was entered to get a percentage of writers using that characteristic. Those figures were tabulated with the other countries counted for that continent and characteristics were identified based on the frequency of the use for the whole continent.

However, for the purposes of this paper, the tables for the countries were used to determine if a class characteristic was common. Any characteristic that had higher than a 10% frequency was considered. For example, the "Z" with an angled crossbar was found in 11.11% of writers from The Netherlands, but was rarely found in other European writers. The chart in this paper lists it as European. If that characteristic is found, check the country tables of the continent for which it is listed.

The charts are the beginning of a cataloging system. Because they contain class characteristics of only thirty-eight systems and some foreign systems, they are not complete. However, the charts are the beginning of a system to easily search for an identified class characteristic.

To find the source of the systems identified in the manuscript alphabet charts, find the bold captioned title. The description and a source of the system are listed.

In the paper, "A Preliminary Discussion of Research and Reference Materials Using the U.S. INS Collection of Handwriting from Other Countries," by Elaine Wooton, presented at the ASQDE Meeting in Long Beach, California, August, 1994, the following hand printing systems were identified:

- **Abdulaziz/Shenkarow:** Abdulaziz, Helen and Ellen Shenkarow [1986]. *Write It Right: Beginning Handwriting and Composition for Students of ESL*, Prentice Hall Regents, Englewood Cliffs, NJ
- **Carver/Kasloff:** Carver, Tina Kasloff, Sandra Douglas Fotinos and Christie Kay Olson [1982]. *A Writing Book: English in Everyday Life*, Prentice Hall Regents, Englewood Cliffs, NJ
- **Prince:** Prince, Eileen [1990]. *Write Soon! A Beginning Text for ESL Writers*, Maxwell Macmillan International Publishing Group, NY, NY
- **Settlement House:** *Writing it Down: Writing Skills for Everyday Life*, developed by the staff of the Women's Program, Lutheran Settlement House, Philadelphia, PA [1989]. New Readers Press, Syracuse, NY

The survey of handwriting systems, collected and compiled for the 1993 ASQDE meeting, coordinated by Thomas Vastrick:

- **Bowmar/Noble:** *Bowmar/Noble Handwriting*
- **D'Nealian:** *D'Nealian Systems*
- **McGraw-Hill:** *McGraw-Hill System*
- **New Laurel:** Almack, Billington, Staffebach, Powers, *New Laurel Handwriting*
- **Palmer:** *Palmer Method Manuscript Alphabet*
- **Peterson:** *Peterson Directed Method*
- **Steck-Vaughn:** Steck-Vaughn *Taking My Place Method*
- **Zaner-Bloser:** *The Zaner-Bloser Alphabet*, Zaner-Bloser, Inc., Columbus, OH

The following systems were catalogued in *Comparison of Twenty-Nine Handwriting Systems* by Jim Ross, Gregory Dalzell, and Darlene Morin, completed in October 1996:

- **Cavanah/Myers:** Cavanah, Lucretia and Alonzo F. Myers, *Handwriting for Expression*
- **Goodfellow:** Goodfellow, Raymond C., *Practical Movement Writing*
- **Hausam/Eppler:** Hausam, Eppler, Whittaker, and Moses [1940]. *Children's Handwriting Guides*, The Economy Co.
- **HBJ:** HBJ Handwriting System
- **Hill/Savage:** Hill, H.M. and J.A. Savage, *Handwriting Made Easy*
- **Kittle:** Kittle, Ruth, *Kittle Method*

- **Locker:** Locker, W.C., *Locker's "Your Own Writing" System*
- **McDougall/Littell:** McDougall/Littell, *Handwriting Hands-On!*
- **Progressive:** Graves, Minnie B. and Ruth Irene Prewit [1941]. *Progressive Handwriting Guidance*, W.S. Benson & Co.
- **Rice:** Rice, W.J., *The Rice System of Business Penmanship*, Rice Publishing Company
- **Stone/Smalley:** Stone and Smalley [1946]. *Manuscript Basic Handwriting*, Charles Scribner's Sons
- **Write-Well:** Peed, Emma Grayce, *The Write-Well Handwriting*

The following systems were reported in *Irish Writing Characteristics* by Maureen Casey Owens, published in *Forensic Science International*, Vol. 90 (1997), pp. 121-130:

- **Cremer Gaelic:** *Cremer Unit System*, Brown & Nolan Limited, Dublin, Ireland
- **Nelson:** *Nelson Handwriting*, Thomas Nelson & Sons, Limited, 1962
- **Noonan:** Noonan, Paul [1982]. *Learn to Write*, The Educational Company

The following systems were taken from these sources:

- **Carson-Dellosa:** *Manuscript Writing*, Carson-Dellosa Publishing Co., Greensboro, NC, 1993
- **I. F.:** *Ready Reference Traditional Manuscript*, Instructional Fair, Grand Rapids, MI, 1996
- **I. F. Modern:** *Ready Reference Modern Manuscript*, Instructional Fair, Grand Rapids, MI, 1996
- **Italic:** Getty, Barbara and Inga Dubay [1991]. *Write Now*, Continuing Education Press, Portland State University
- **Practice:** *Printing Practice*, Teacher Created Materials, Inc., 1997
- **Rudolph:** Rudolph, Evelyn [1997]. *Let's Write Manuscript*, Hayes School Publishing Co.
- **Sassoon/Briem:** Sassoon, Rosemary and Gunnlauger S. E. Briem [1984]. *Better Handwriting*, Teach Yourself Books, NTC Publishing Group
- **Shiotsu:** Shiotsu, Vicky [1996]. *Handwriting Modern Manuscript*, Frank Schaffer Publications, Inc., Torrance, CA

- **Thoman:** Thoman, Kim [1995]. *Beginning Manuscript Handwriting*, Frank Schaffer Publications, Inc., Torrance, CA
- **Thoman Modern:** Thoman, Kim [1995]. *Beginning Modern Manuscript Handwriting*, Frank Schaffer Publications, Inc., Torrance, CA
- **Wilke/Cummings:** Wilke, Suzanne and Cummings, Renee [1994]. *Handwriting Traditional Manuscript*, Instructional Fair, Inc., Grand Rapids, MI

The continental designations refer to the following papers:

- **African:** Ziegler, Larry F. and Lurline A. Trizna, *African Hand Printing*, presented at the ASQDE meeting in Long Beach, CA, 1994
- **Asian:** Trizna, Lurline A. and Elaine X. Wooton, *Asian Hand Printing*, presented at the AAFS meeting, 1995
- **European:** Franck, Frankie E. and Elaine X. Wooton, *European Hand Printing*, presented at the AAFS Meeting, 1995
- **Latin American:** Berthold, Nancy N. and Elaine X. Wooton, *Class Characteristics of Latin American Hand Printing*, presented at the ASQDE Meeting, Ottawa, Canada, 1993
- **Middle East/Subcontinent:** Trizna, Lurline A. and Elaine X. Wooton, *Hand Printing of the Middle East and the Subcontinent*, presented at the ASQDE Meeting, Washington DC, 1996

The following Attachment A shows the various letterforms of upper and lower case letter formations. When available, the direction of strokes used to prepare the letterforms are provided.

References

- Hilton, O. (1982). *Scientific Examination of Questioned Documents*, New York, NY; Elsevier North Holland, IN, p. 15.

UPPER CASE A

Appendix A.

LOWER CASE A



Palmer, Zaner-Bloser, New Laurel, McGraw-Hill, Abdulaziz/Shenkarow, Prince, Italic, Cavanah/Myers, Hausam/Eppler, Write-Well, Hill/Savage, Thoman, Rudolph, Carson-Dellosa, Practice



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, Carver/Kasloff, Prince, Progressive, Hausam/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Write-Well, Hill/Savage, Thoman, Rudolph, I.F., Practice



high cross stroke, Bowmar/Noble, Peterson, Carver/Kasloff, Nelson, Sassoon/Briem, Goodfellow, Progressive, Locker, Rice, I.F.



lower staff, New Laurel



very high cross stroke, Steck-Vaughn, HBJ, D'Nealian, Wilke/Cummings



one stroke, rounded terminal stroke, D'Nealian, Settlement House, Nelson, Noonan, Stone/Smalley, Thoman Modern, I.F. Modern, Shiotsu



narrow, Settlement House, Kittle, McDougall/Littell



curved crossbar at baseline, straight leg on right side, Cremer Gaelic



flat top, angular movements, slight retracing to downstroke, angular upward terminal stroke, Sassoon/Briem



upward movement at baseline terminals, Nelson



angular movement up to beginning of downstroke, Abdulaziz/Shenkarow



upward movement of left side baseline terminal stroke, crossbar intersects right leg with an upward ending stroke, Nelson



smaller version of upper case letter form, Cremer Gaelic



triangular, Latin American, African, Middle East/Subcontinent, European, Asian



one stroke, narrow bowl, Italic, Goodfellow



flat top, Latin American, African, European



cap, Rice



upward movement of baseline terminals, serif to left of apex, Nelson



cap and ending stroke, Cavanah/Myers



connected to next letter, European, African, Middle East/Subcontinent, Asia



one stroke, angular ending stroke, Carson-Dellosa



curved legs, low crossbar, Stone/Smalley



space between bowl and staff, Wilke/Cummings



straight right leg, Thoman Modern, I.F. Modern, Shiotsu

UPPER CASE B

Palmer, Zaner-Bloser, Peterson, Bowmar/
Noble, Settlement House, Carver/Kasloff,
Prince, Steck-Vaughn, Italic, Goodfellow,
Progressive, Hausam/Eppler, HBJ, Kittle,
McDougall/Littell, Hill/Savage, Thoman,
Thoman Modern, Wilke/Cummings,
Rudolph, I.F., Practice

bottom bowl wider than top bowl, New
Laurel, McGraw-Hill, Abdulaziz/Shenkarow,
Sassoon/Briem, Cavanah/Myers, Locker,
Nelson, Latin American

stroke beginning bowl starts left of staff,
Nelson

*like lower case letter form with serif to left
of staff, staff does not reach baseline*,
Cremer Gaelic

*stroke to form bowls starts and ends left of
staff, middle does not intersect staff,
bottom wider than top*, Write-Well

*stroke to form bowls starts and ends left of
staff, longer retraced middle*, Stone/Smalley

top bowl smaller than bottom bowl, Rice

space between staff and start of bowl,
D'Nealian, I.F. Modern, Shiotsu

one stroke, retraced staff, Latin American

two stroke, long retraced middle, Carson-
Delloso

LOWER CASE B

Palmer, Zaner-Bloser, Peterson, Bowmar/
Noble, New Laurel, Carver/Kasloff, Prince,
McGraw-Hill, Progressive, Hausam/Eppler,
HBJ, Kittle, McDougall/Littel, Write-Well,
Hill/Savage, Thoman, Rudolph, I.F., Practice

one stroke, Sassoon/Briem, Abdulaziz/
Shenkarow

staff does not reach baseline, Noonan

smaller version of upper case, Cremer Gaelic

one stroke, rounded bowl, Nelson, Settle-
ment House, Cavanah/Myers

one stroke, narrow bowl, Italic, Nelson,
Goodfellow, Thoman Modern, I.F. Modern,
Carson-Delloso, Shiotsu

*round bowl, space between staff and bottom
of bowl*, Locker, Wilke/Cummings

short staff, Rice

with connecting stroke, Stone/Smalley

one stroke, D'Nealian

UPPER CASE C



Palmer, Zaner-Bloser, Bowmar/Noble, Nelson, McGraw-Hill, Carver/Kasloff, Prince, Progressive, HBJ, Locker, McDougall/Littell, Write-Well, Rice, Stone/Smalley, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



narrow opening, Peterson, New Laurel, Cremer Gaelic, Settlement House, Goodfellow, Hill/Savage, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu



eyelet beginning, Latin American, Middle East/Subcontinent, European, African



open eyelet beginning, Latin American



flatter top, beginning and ending strokes even, Italic, Abdulaziz/Shenkarow, Sasoon/Briem



wide bowl, narrow opening, Cavanah/Myers



oval bowl, wide opening, Hausam/Eppler



round bowl, small opening, Kittle



oval, terminal stroke not even with beginning stroke, Carson-Dellosa

LOWER CASE C



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, D'Nealian, McGraw-Hill, Carver/Kasloff, Progressive, Hausam/Eppler, Locker, McDougall/Littell, Rice, Practice, Carson-Dellosa, Rudolph, I.F.



narrow opening, New Laurel, Settlement House, Prince, Cremer Gaelic, Noonan, Goodfellow, HBJ, Write-Well, Stone/Smalley, D'Nealian, Thoman Modern, Wilke/Cummings, Shiotsu



short beginning, upward terminal stroke, Sassoon/Briem



narrow, Nelson, I.F. Modern



flatter top, beginning and ending even on right side, Italic



wider, flatter top, Cavanah/Myers



rounded form, very small opening, Kittle, Hill/Savage

UPPER CASE D



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Steck/Vaughn, Italic, Nelson, McGraw-Hill, Sassoon/Briem, Cavanah/Myers, Rice, Progressive, Hausam/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



narrow, Settlement House, Goodfellow, Hill/Savage



stroke to form bowl starts and ends left of staff, Write-Well, Stone/Smalley



staff starts above bowl, stroke to begin bowl starts left of staff, Nelson



space between staff and start of bowl, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu



triangular, African



bar through staff, European, Asian



squared off, Latin American, Middle East/Subcontinent



rounded, curved cap, Cremer Gaelic



flat top longer than flat bottom, Carson-Dellosa

LOWER CASE d



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Carver/Kasloff, Prince, McGraw-Hill, Cavanah/Myers, Progressive, Hausam/Eppler, HBJ, Kittle, McDougall/Littell, Write-Well, Hill/Savage, Thoman, Rudolph, I.F., Practice



one stroke, upward terminal stroke, D'Nealian, Settlement House, Nelson, Noonan, Stone/Smalley, Thoman Modern, I.F. Modern



one stroke, angular bowl, Sassoon/Briem



one stroke, oval bowl, retraced staff, Italic



two stroke, oval bowl, Abdulaziz/Shenkarow, Goodfellow



small version of upper case, Cremer Gaelic



round bowl, Locker, Wilke/Cummings



short staff, Rice



one stroke, angular upward terminal stroke, Carson-Dellosa, Shiotsu

UPPER CASE E



middle stroke shorter than top and bottom strokes, Palmer, Carver/Kasloff, Prince, Nelson, Peterson, Cavanah/Myers, Hausam/Eppler, HBJ, Locker, McDougall/Littell, Write-Well, Hill/Savage, Rice, European, Thoman, Wilke/Cummings, Practice



shorter middle stroke, Zaner-Bloser, McGraw-Hill, Progressive



3 cross strokes equal in length, Bowmar/Noble, Settlement House, Goodfellow, Kittle, Steck-Vaughn, Middle East/Subcontinent, European, Asian



middle cross stroke shorter than top, bottom stroke longer than top stroke, New Laurel, Sassoon/Briem



three strokes, even crossbars, Italic



two stroke, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu



Greek (common terminology), Abdulaziz/Shenkarow, Stone/Smalley, African, Latin American, Middle East/Subcontinent, European



Speed (common terminology), Asian, Latin American, European, Middle East/Subcontinent



one stroke beginning left of staff, Cremer Gaelic



like a C with a middle stroke, African



top stroke starts left of staff, Nelson



Z-shaped body, Middle East/Subcontinent, European, Asian



no staff, Latin American



connected to next letter, African, Middle East/Subcontinent, Asian



Italic



shorter middle (3rd stroke), Rudolph, I.F.



three strokes, uneven bars, Carson-Dellosa

LOWER CASE E



Palmer, Zaner-Bloser, McGraw-Hill, New Laurel, Peterson, Locker, Write-Well, Rice, Thoman, Rudolph, I.F.



Bowmar/Noble, Prince, HBJ, Kittle, McDougall/Littell, Hill/Savage, Practice



one stroke, Carver/Kasloff



two stroke, Sassoon/Briem, Italic



one stroke, beginning starts to left of letter, Sassoon/Briem



upward ending stroke, Settlement House, Abdulaziz/Shenkarow, Cremer Gaelic, Noonan



oval bowl, angular upward ending stroke, Nelson, Italic, Thoman Modern, I.F. Modern, Shiotsu



one stroke, Cavanah/Myers, Goodfellow, Progressive, Wilke/Cummings



short ending stroke, Hausam/Eppler



slanted oval bowl, long ending stroke, Stone/Smalley, D'Nealian



one stroke, flat beginning stroke slants upward, Carson-Dellosa

UPPER CASE F



Palmer, Zaner-Bloser, Bowmar/Noble, Sassoon/Briem, Settlement House, Kittle, Rudolph, I.F., Practice



shorter middle stroke, Peterson, McGraw-Hill, New Laurel, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Nelson, Cavanah/Myers, Goodfellow, Progressive, Hausam/Eppler, HBJ, Locker, McDougall/Littell, Write-Well, Hill/Savage, Rice, Asian, Thoman, Wilke/Cummings, Carson-Dellosa



cap starts left of staff, Stone/Smalley



two stroke, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu



shorter, even crossbars, Italic



serif on middle stroke, Asian



top and middle cross strokes begin left of staff, European, Middle East/Subcontinent



beginning serif, staff below baseline, curved cap, Cremer Gaelic



curved staff, slight curve of cap, Nelson

LOWER CASE F



Palmer, Zaner-Bloser, Bowmar/Noble, New Laurel, McGraw-Hill, D'Nealian, Settlement House, Abdulaziz/Shenkarow, Prince, Steck-Vaughn, Goodfellow, Progressive, HBJ, McDougall/Littell, Hill/Savage, Stone/Smalley, Thoman, Thoman Modern, Wilke/Cummings, Rudolph, I.F., I.F. Modern, Carson-Dellosa, Shiotsu



high crossbar, Peterson



low crossbar, Carver/Kasloff, Practice



flat top, uneven crossbar, Italic



curved staff extends below baseline, high crossbar, Sassoon/Briem, Nelson



curved staff extends below baseline, low crossbar, Noonan



smaller than upper case, Cremer Gaelic



unbalanced crossbar, Cavanah/Myers



long crossbar, Hausam/Eppler, Write-Well



long arm, Kittle



flat top, long crossbar, Locker



slight curve on top of staff, Rice

UPPER CASE G

	Palmer, New Laurel, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Goodfellow, HBJ
	<i>beginning not even with right side</i> , Zaner-Bloser, Bowmar/Noble, McGraw-Hill, Steck-Vaughn, McDougall/Littell, Thoman
	<i>low ending, cross stroke</i> , Peterson
	<i>one stroke, angular ending</i> , Sassoon/Briem, Write-Well, Rice
	<i>one stroke, eyelet beginning</i> , European
	<i>like the #6</i> , Middle East/Subcontinent, Latin American, African, Asian
	<i>tail and cross stroke</i> , Middle East/Subcontinent, African European, Asian
	<i>two stroke, disconnected</i> , Latin American
	<i>two stroke, flat top</i> , Latin American, Asian, Middle East-Subcontinent
	<i>tail descends below baseline</i> , Middle East/Subcontinent
	<i>like a lower case g</i> , African, Middle East/Subcontinent, European
	<i>one stroke, narrow</i> , Settlement House
	<i>narrow opening, small crossbar</i> , Cavanah/Myers
	<i>descends below baseline, flat beginning</i> , Cremer Gaelic
	<i>no cross bar</i> , Nelson, Hill/Savage
	<i>two stroke, Italic, Progressive</i>
	<i>two stroke, rounded area ends low</i> , Hausam/Eppler
	<i>rounded, narrow opening, crossbar and tail</i> , Kittle
	<i>low crossbar and tail</i> , Locker
	<i>narrow opening, tail curved outward</i> , Stone/Smalley
	<i>one stroke</i> , D'Nealian, Thoman Modern, Wilke/Cummings, I.F. Modern, Carson-Dellosa, Practice, Shiotsu
	<i>two stroke, crossbar right to left</i> , Rudolph, I.F.

LOWER CASE G

	Palmer, Zaner-Bloser, Bowmar/Noble, McGraw-Hill, Carver/Kasloff, Prince, Hausam/Eppler, HBJ, Kittle, McDougall/Littell, Write-Well, Stone/Smalley, Thoman, Rudolph, I.F., Practice
	<i>smaller curve on descender</i> , Peterson
	<i>staff does not begin above bowl</i> , New Laurel
	<i>angular bowl</i> , Sassoon/Briem
	<i>one stroke</i> , Settlement House, Abdulaziz/Shenkarow, Nelson, Noonan, I.F. Modern
	<i>one stroke, oval bowl</i> , Italic
	<i>smaller than upper case</i> , Cremer Gaelic
	<i>oval bowl, flat ending stroke</i> , Abdulaziz/Shenkarow, Goodfellow
	<i>oval bowl, upward curve on descender</i> , D'Nealian, Thoman Modern, Carson-Dellosa, Shiotsu
	<i>round bowl, flat ending not even with left side of bowl</i> , Progressive, Hill/Savage
	<i>round bowl, higher staff</i> , Locker, Wilke/Cummings
	Cavanah/Myers, Rice

UPPER CASE H



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Sassoon/Briem, Settlement House, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Nelson, Italic, Goodfellow, Progressive, Hausam/Eppler, HBJ, Kittle, Thoman, Thoman Modern, Wilke/Cummings, Rudolph, I.F., I.F. Modern, Carson-Dellosa, Practice



serif, curved staffs, crossbar intersects right staff and curves upward, Nelson



one or two stroke, European, Middle East/Subcontinent, African Asian



serif, overcurve higher than x height, Cremer Gaelic



high crossbar, Cavanah/Myers



wide, Locker



low crossbar, Write-Well

LOWER CASE H



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Carver/Kasloff, Prince, McGraw-Hill, Cavanah/Myers, Goodfellow, Progressive, Hausam/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Write-Well, Hill/Savage, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



one stroke, narrow, Italic



angular, Abdulaziz/Shenkarow



upward ending stroke, D'Nealian, Settlement House, Nelson, Noonan, Stone/Smalley, Thoman Modern, I.F. Modern, Shiotsu



open between staff and overcurve, upward ending stroke, Sassoon/Briem



low staff, Rice



smaller than upper case, overcurve is x height, Cremer Gaelic



one stroke, angular terminal stroke, Carson-Dellosa

UPPER CASE I



Palmer, Bowmar/Noble, Peterson, New Laurel, Settlement House, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, African, Latin American, European, Middle East/Subcontinent, Asian, Italic, McDougall/Littell, Write-Well, Hill/Savage, I.F. Thoman Modern, Wilke/Cummings, I.F. Modern, Practice



Zaner-Bloser, McGraw-Hill, Locker, Thoman, Carson-Dellosa



short crossbars, Progressive, Hausam/Eppler, HBJ, Stone/Smalley, Shiotsu



no cross bars, Sassoon/Briem, African, Asian, Nelson, Cavanah/Myers, Goodfellow, Kittle, Rice, Rudolph



two stroke, loop on bottom left cross bar, Middle East/Subcontinent



short serif, Cremer Gaelic



beginning stroke left of staff, slight curve at bottom of staff, Nelson



lowercase used among upper case, European, African, Latin American, Middle East/Subcontinent, Asian

LOWER CASE I



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Italic, McGraw-Hill, Cavanah/Myers, Goodfellow, Progressive, Hausam/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Write-Well, Hill/Savage, Rice, Rudolph



curved upstroke, D'Nealian, Sassoon/Briem, Settlement House, Thoman Modern, I.F. Modern, Shiotsu



wide curved upstroke, Stone/Smalley



angular upstroke, Nelson, Noonan, Carson-Dellosa



circle i dot, Middle East/Subcontinent



horizontal line as i dot, Asian



serif, no i dot, Cremer Gaelic



low i dot, Thoman, Wilke/Cummings

UPPER CASE J



Palmer, Prince, Progressive, Hausam/Eppler, HBJ, Kittle, Locker, Rice, D'Nealian, Thoman, Thoman Modern, Wilke/Cummings, I.F., Practice, Shiotsu



shorter terminal stroke, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Settlement House, Nelson, Italic, Cavanah/Myers, Goodfellow, McDougall/Littell, Rudolph, I.F. Modern, Carson-Dellosa



ending stroke angled to left, Sassoon/Briem



with cap, Carver/Kasloff, Abdulaziz/Shenkarow, Write-Well, Stone/Smalley



narrow, high ending, Hill/Savage



one stroke, Latin American, Middle East, African, European, Asian, Nelson

LOWER CASE J



Palmer, Zaner-Bloser, Bowmar/Noble, New Laurel, McGraw-Hill, Settlement House, Carver/Kasloff, Prince, Nelson, Noonan, Goodfellow, Hausam/Eppler, HBJ, McDougall/Littell, Write-Well, D'Nealian, Thoman Modern, I.F., I.F. Modern, Carson-Dellosa, Practice, Shiotsu



short ending stroke, Peterson, Rice



flatter ending stroke, Sassoon/Briem, Abdulaziz/Shenkarow, Italic, Progressive, Hill/Savage, Stone/Smalley



wide boat, Kittle, Locker, Randolph



no dot, Cavanah/Myers



low dot, Thoman, Wilke/Cummings

UPPER CASE K



Palmer, Peterson, New Laurel, McGraw-Hill, Carver/Kasloff, Prince, Goodfellow, Hausam/Eppler, Rudolph



Zaner-Bloser, Bowmar/Noble, Sassoon/Briem, Nelson, HBJ, Kittle, McDougall/Littell, Write-Well, Thoman, I.F.



upward ending stroke, Settlement House, Stone/Smalley, D'Nealian, Thoman Modern, I.F. Modern, Carson-Dellosa, Shiotsu



curved bottom leg, Abdulaziz/Shenkarow



wide, Locker, Hill/Savage



leg angled downward, Rice



two stroke, Italic, Cavanah/Myers, Progressive, Wilke/Cummings, Practice



two stroke, V start, European, Middle East/Subcontinent, Latin American, African, Asian



rounded leg, Latin American



serif, angular upstroke, Nelson

LOWER CASE K



Palmer, Peterson, New Laurel, McGraw-Hill, Carver/Kasloff, Prince, Goodfellow, Hausam/Eppler, Locker, Rudolph



Zaner-Bloser, Bowmar/Noble, HBJ, Kittle, Thoman, I.F.



curved downstroke, Abdulaziz/Shenkarow



two stroke, narrow, Italic, Cavanah/Myers, Progressive, McDougall/Littell, Wilke/Cummings, Practice



D'Nealian, I.F. Modern, Carson-Dellosa



leg angled downward, Sassoon/Briem



one stroke, Italic



upward terminal stroke, Settlement House, Nelson, Stone/Smalley, Thoman Modern, Shiotsu



bowl not closed, upward ending stroke, Noonan



arm starts higher than x height, Write-Well



low ending of arm on staff, Hill/Savage



short staff, Rice

UPPER CASE L



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Sassoon/Briem, Settlement House, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Nelson, Goodfellow, Hausam/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Write-Well, Hill/Savage, D'Nealian, Thoman, Rudolph, I.F., I.F. Modern



one stroke, Italic, Cavanah/Myers, Thoman Modern, Wilke/Cummings, Carson-Dellosa, Practice, Shiotsu



ending serif, European, Middle East/Subcontinent



loop bottom left of staff, Latin American, African



small serif to left of staff, slight upward curve at bottom, Cremer Gaelic



curved staff, cross stroke begins left of staff, ends with upward movement, Nelson



one stroke, long cross stroke, Progressive



short leg, Rice



slight left curve at base of staff, Stone/Smalley

LOWER CASE L



Palmer, Zaner-Bloser, Bowmar/Noble, New Laurel, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Italic, McGraw-Hill, Cavanah/Myers, Goodfellow, Progressive, Hausam/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Write-Well, Hill/Savage, Rice, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



upward curve at bottom of staff, D'Nealian, Settlement House, Thoman Modern, I.F. Modern, Shiotsu



wide curved ending, Stone/Smalley



angular upstroke at bottom of staff, Sassoon/Briem, Nelson, Noonan, Carson-Dellosa



serif and upward curved ending stroke, Cremer Gaelic

UPPER CASE M



Palmer, Peterson, Settlement House, Carver/Kasloff, Prince, Nelson, Hausam/Eppler, HBJ



longer middle, Goodfellow, Write-Well, Rice



Zaner-Bloser, Bowmar/Noble, New Laurel, McGraw-Hill, Sassoon/Briem, Latin American, Steck-Vaughn, Cavanah/Myers, Kittle, McDougall/Littell, Hill/Savage, Thoman, Wilke/Cummings



rounded overcurves, Abdulaziz/Shenkarow



described as flat-topped, Middle East/Subcontinent, European, Latin American, African



separate left staff, Middle East/Subcontinent, European, Latin American, African



curved top, Middle East/Subcontinent, European, Latin American, African



serif, rounded overcurves, Cremer Gaelic



curved staffs, top starts left of staff, ends right of staff, Nelson



two stroke, Italic, Carson-Dellosa



two stroke, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu



four strokes, Rudolph, Practice



four strokes, I.F.



three strokes, Progressive



wide, Locker



slight outward curves on staffs at baseline, Stone/Smalley

LOWER CASE M



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Carver/Kasloff, Prince, Cavanah/Myers, Goodfellow, Progressive, Hausam/Eppler, HBJ, Locker, McDougall/Littell, Write-Well, Hill/Savage, Rice, Thoman, Wilke/Cummings, Rudolph, I.F.



wider angle between staff and first overcurve, McGraw-Hill, Abdulaziz/Shenkarow



upward curved ending stroke, D'Nealian, Settlement House, Nelson, Thoman Modern, I.F. Modern, Carson-Dellosa, Shiotsu



serif, Cremer Gaelic



beginning and ending strokes, Noonan



one stroke, Italic



wide, Kittle



wide with upward ending stroke, Stone/Smalley



overcurves angled away from staff and middle, Sassoon/Briem

UPPER CASE N



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Sassoon/Briem, Settlement House, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Nelson, Steck-Vaughn, Italic, Progressive, Hausan/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Write-Well, Hill/Savage, Rice, Thoman, Practice



two stroke, D'Nealian, Thoman Modern, Wilke/Cummings, I.F., I. F. Modern, Carson-Dellosa, Shiotsu



slight outward curves at baseline, Stone/Smalley



three stroke, Italic, Cavanah/Myers, Goodfellow, Rudolph



one stroke, like a W, Middle East/Subcontinent, European, Latin American, African, Asian



one stroke, angular, Latin American



beginning serif, overcurve, Cremer Gaelic



curved staff at bottom left, middle stroke begins left of staff, curved ending stroke, Nelson

LOWER CASE N



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Prince, Goodfellow, Progressive, Hausan/Eppler, HBJ, Kittle, McDougall/Littell, Write-Well, Hill/Savage, Rice, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



curved ending stroke, Sassoon/Briem



one stroke, Italic, Carver/Kasloff, Cavanah/Myers



angled ending stroke, Nelson, Settlement House, Carson-Dellosa



serif, Cremer Gaelic



beginning and ending strokes, Noonan



overcurved angled away from staff, Abdulaziz/Shenkarow



higher staff, Locker



curved upstroke, Stone/Smalley



one stroke, rounded ending curve, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu

UPPER CASE O



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Sassoon/Briem, Cavanah/Myers, HBJ, Stone/Smalley, D'Nealian, Thoman, Rudolph, I.F.



starts on top, McGraw-Hill, Settlement House, Abdulaziz/Shenkarow, Nelson, Italic, Prince, Carver/Kasloff, Progressive, Hausam/Eppler, Kittle, Locker, McDougall/Littell, Write-Well, Rice, Wilke/Cummings, Practice



narrow, Cremer Gaelic, Goodfellow, Hill/Savage, Thoman Modern, I.F. Modern, Shiotsu



beginning on lower right side, Carson-Dellosa

LOWER CASE O



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Sassoon/Briem, HBJ, D'Nealian, Thoman, Rudolph, I.F.



starts on top, McGraw-Hill, Carver/Kasloff, Prince, Cavanah/Myers, Progressive, Hausam/Eppler, Kittle, Locker, McDougall/Littell, Write-Well, Hill/Savage, Rice, Wilke/Cummings, Practice



narrow, Nelson, Cremer Gaelic, Noonan, Italic, Settlement House, Goodfellow, Thoman Modern, I.F. Modern, Shiotsu



wide, Abdulaziz/Shenkarow



with a tail, Stone/Smalley



beginning on lower right side, Carson-Dellosa

UPPER CASE P



Palmer, Zaner-Bloser, Peterson, New Laurel, McGraw-Hill, Sassoon/Briem, Settlement House, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Nelson, Cavanah/Myers, Goodfellow, Progressive, Hausam/Eppler, Locker, McDougall/Littell, Hill/Savage, Rice, Thoman, Wilke/Cummings, Rudolph, I.F., Carson-Dellosa, Practice



smaller bowl, Italic, HBJ, Kittle, Shiotsu



serif, staff descends below baseline, oval bowl, Cremer Gaelic



staff curved at bottom, long beginning stroke of bowl, Nelson



beginning of bowl starts left of staff, Write-Well



longer bowl, staff curves outward at baseline, Stone/Smalley



one stroke, D'Nealian, Thoman Modern, I.F. Modern

LOWER CASE P



Palmer, Bowmar/Noble, McGraw-Hill, Settlement House, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Noonan, Steck-Vaughn, Goodfellow, Progressive, Hausam/Eppler, HBJ, McDougall/Littell, Write-Well, Hill/Savage, Rice, Thoman, Rudolph, I.F., Practice



beginning of bowl starts lower, Zaner-Bloser, Peterson, New Laurel, Nelson, Kittle, Locker, Wilke/Cummings



one stroke, D'Nealian, Thoman Modern, Shiotsu



one stroke, angular, Sassoon/Briem



serif, oval bowl, Cremer Gaelic



one stroke, narrow bowl, Italic, I.F. Modern, Carson-Dellosa



beginning stroke of bowl starts at top of staff, Cavanah/Myers



with connecting stroke, Stone/Smalley

UPPER CASE Q

 Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Abdulaziz/Shenkarow, Prince, Nelson, Steck-Vaughn, Hausan/Eppler, HBJ, Kittle, McDougall/Littell, Hill/Savage, Rice, Thoman, Wilke/Cummings, I.F., Practice

 Sassoon/Briem, Italic, Cavanah/Myers

 *curved leg*, Settlement House, D'Nealian, Thoman Modern, I.F. Modern, Carson-Dellosa, Shiotsu

 *double curved leg*, Carver/Kasloff, Locker

 Latin American

 Latin American

 Latin American

 *long tail, curved ending*, Nelson

 *narrow*, Goodfellow

 *double curved leg does not go below baseline*, Write-Well, Stone/Smalley

 *unbalanced tail*, Rudolph

LOWER CASE Q

 Palmer, Bowmar/Noble, Carver/Kasloff, Prince, HBJ

 Zaner-Bloser, New Laurel, McGraw-Hill, Abdulaziz/Shenkarow, Hausam/Eppler, Stone/Smalley, Thoman, Wilke/Cummings, I.F., Carson-Dellosa, Practice

 *narrow ending curve*, Peterson, Settlement House

 *one stroke, oval bowl*, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu

 *one stroke, angular, no ending serif*, Sassoon/Briem

 *one stroke, oval bowl, italic*

 *oval bowl, angular ending stroke*, Nelson, Noonan

 *bowl starts at top of staff*, Cavanah/Myers

 *short descender*, Goodfellow

 *two stroke, progressive*, Kittle, Rice, Rudolph

 *high staff, outward curve on descender*, Locker, McDougall/Littell, Write-Well

 *small terminal stroke*, Hill/Savage

UPPER CASE R

	Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Carver/Kasloff, Prince, Goodfellow, Hausam/Eppler, Locker, McDougall/Littell, Hill/Savage, Thoman, Wilke/Cummings, Rudolph, I.F., Practice
	<i>narrow bowl, Italic</i>
	<i>leg starts at staff, Sassoon/Briem, Nelson, Cavanah/Myers</i>
	<i>upward ending stroke, Settlement House</i>
	<i>curved leg, Abdulaziz/Shenkarow</i>
	<i>rounded leg, Middle East/Subcontinent, Latin American</i>
	<i>low leg, Middle East/Subcontinent, African</i>
	<i>angular, Latin American</i>
	<i>three straight strokes, Latin American</i>
	<i>open, Latin American</i>
	<i>serif, retraced middle, rounded leg, Cremer Gaelic</i>
	<i>staff curved at bottom, top stroke begins left of staff, long leg with upward ending stroke descends below baseline, Nelson</i>
	<i>wide bowl, leg starts on staff, Progressive</i>
	<i>wide bowl, leg starts on bowl, Rice</i>
	<i>small bowl, leg ends even with right side of bowl, HBJ, Kittle</i>
	<i>beginning of bowl starts left of staff, Write-Well</i>
	<i>long bowl, low leg curves outward, Stone/Smalley</i>
	<i>curved leg starts at staff, D'Nealian, Thoman Modern, I.F. Modern, Shitsu</i>
	<i>leg starts on bowl, upward terminal stroke, Carson-Dellosa</i>

LOWER CASE R

	Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Settlement House, Abdulaziz/Shenkarow, Prince, Steck-Vaughn, Cavanah/Myers, Goodfellow, Progressive, Hausam/Eppler, HBJ, Kittle, McDougall/Littell, Hill/Savage, Rice, Stone/Smalley, Thoman, Wilke/Cummings, Rudolph, I.F., Practice
	<i>one stroke, D'Nealian, Thoman Modern, I.F. Modern, Carson-Dellosa, Shitsu</i>
	<i>open between staff and arm, Sassoon/Briem, Locker</i>
	<i>one stroke, straight arm, Carver/Kasloff, Italic, Write-Well</i>
	<i>curved arm, Nelson</i>
	<i>smaller than upper case, Cremer Gaelic</i>
	<i>serif, Noonan</i>

UPPER CASE S

S*flat middle*, Palmer, Prince, Progressive, HBJ, Kittle, Rice, Hill/Savage, RudolphS

Zaner-Bloser, Bowmar/Noble, Peterson, Sassoon/Briem, Settlement House, Abdulaziz/Shenkarow, Carver/Kasloff, Nelson, Steck-Vaughn, Italic, Goodfellow, Hausam/Eppler, McDougall/Littell, Stone/Smalley, D'Nealian, Thoman, Wilke/Cummings, I.F., I.F. Modern, Carson-Dellosa, Practice

S*small top, larger bottom*, New Laurel, Cavanah/Myers, Write-WellS*large top, small bottom*, McGraw-Hill, LockerS*serif(s)*, Middle East/Subcontinent, European, AsianS*angular upward ending stroke*, NelsonS*knob on beginning and ending*, Cremer GaelicS*high terminal stroke*, Thoman Modern, Shiotsu

LOWER CASE S

s

Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Settlement House, Carver/Kasloff, Prince, Progressive, Hausam/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Rice, Hill/Savage, Thoman, Wilke/Cummings, Rudolph

s*small top, large bottom*, Abdulaziz/Shenkarow, Nelson, Write-Well, I.F., I.F. Modern, Practices*straighter spine*, Sassoon/Briem, Steck-Vaughn, Italic, Goodfellows*angular*, Noonan, Cavanah/Myers, D'Nealian, Carson-Dellosas*with connecting stroke*, Stone/Smalleys*knobs on beginning and ending*, Cremer Gaelics*high terminal stroke*, Thoman Modern, Shiotsu

UPPER CASE T



Palmer, Zaner-Bloser, Peterson, New Laurel, McGraw-Hill, Cavanah/Myers, Progressive, Hausam/Eppler, Locker, McDougall/Littell, Write-Well, Hill/Savage, Stone/Smalley, Wilke/Cummings, Rudolph, I.F., Practice, Shiotsu



shorter crossbar, Bowmar/Noble, Sassoon/Briem, Settlement House, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, Nelson, Italic, HBJ, Goodfellow, Kittle, D'Nealian, Thoman, Thoman Modern, I.F. Modern



Italic, Rice, Carson-Dellosa



one stroke, Middle East/Subcontinent, European, Asian



one stroke, like a #7, Middle East/Subcontinent, European, Latin American, Asian



one stroke, Latin American



rounded staff, crossbar longer on right than left, Cremer Gaelic



curved staff, curved crossbar, Nelson

LOWER CASE T



Palmer, Zaner-Bloser, Bowmar/Noble, Abdulaziz/Shenkarow, Carver/Kasloff, Prince, McGraw-Hill, Progressive, Hausam/Eppler, Kittle, Locker, McDougall/Littell, Write-Well, Rice, Thoman, Wilke-Cummings, Rudolph, I.F.



long staff, HBJ



high crossbar, curved bottom, Peterson



curved bottom, New Laurel, Goodfellow, Hill/Savage, Stone/Smalley



long staff, curved bottom, Settlement House, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu



curved bottom, unbalanced crossbar, Sassoon/Briem, Italic



small curve at bottom of staff, unbalanced crossbar, Cavanah/Myers



angular upstroke, Nelson



rounded staff, crossbar at top of staff, cross stroke longer on right side, Cremer Gaelic



upward ending stroke, crossbar to right of staff, Noonan



tall staff, high crossbar, curved bottom, Carson-Dellosa



low crossbar, Practice

UPPER CASE U



Palmer, Bowmar/Noble, Prince, Nelson, Italic, Cavanah/Myers, Kittle, Write-Well



Zaner-Bloser, McGraw-Hill, Carver/Kasloff, Goodfellow, Hausam/Eppler, HBJ, McDougall/Littell, Hill/Savage, Rice, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



wider at baseline, Peterson, New Laurel, Sassoon/Briem, Progressive, Locker



curved ending stroke, Settlement House, Stone/Smalley



higher intersection with staff, Abdulaziz/Shenkarow



two stroke, straight downstroke on left side, European



two stroke, straight downstroke on right side, flat bottom, Asian, European, Latin American, African



one stroke, flat bottom, Middle East/Subcontinent, European, Latin American, African



serif, staff, Cremer Gaelic



curved serif, staff, upward ending stroke, Nelson



one stroke, D'Nealian, Thoman Modern, I.F. Modern, Carson-Dellosa, Shiotsu

LOWER CASE U



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Prince, McGraw-Hill, Cavanah/Myers, Hausam/Eppler, HBJ, Kittle, Locker, McDougall/Littell, Write-Well, Hill/Savage, Thoman, Rudolph, I.F., Practice



one stroke, Italic



ending stroke curved upward, D'Nealian, Settlement House, Stone/Smalley, Thoman Modern, I.F. Modern, Carson-Dellosa, Shiotsu



ending stroke curved downward, Carver/Kasloff, Goodfellow



upstroke to staff more angular, Abdulaziz/Shenkarow



angular upstroke to staff, angular upward ending stroke, Sassoon/Briem, Nelson, Noonan



serif, Cremer Gaelic



flat bottom, Progressive, Rice

UPPER CASE V



Palmer, Zaner-Bloser, Bowmar/Noble,
Peterson, New Laurel, McGraw-Hill,
Settlement House, Abdulaziz/Shenkarow,
Carver/Kasloff, Prince, Sassoon/Briem,
Nelson, Goodfellow, Hausam/Eppler, HBJ,
Locker, McDougall/Littell, Write-Well, Hill/
Savage, Thoman, Rudolph



narrow, Kittle



one stroke, Italic, Cavanah/Myers, Rice,
Progressive, D'Nealian, Thoman Modern,
Wilke/Cummings, I.F., I.F. Modern, Practice,
Shiotsu



beginning or ending stroke or both, Stone/
Smalley, Middle East/Subcontinent



serif, leg on right side curves inward, Nelson



one stroke, right leg angled out, Carson-
Dellosa

LOWER CASE V



Palmer, Zaner-Bloser, Bowmar/Noble,
Peterson, New Laurel, McGraw-Hill,
Settlement House, Abdulaziz/Shenkarow,
Carver/Kasloff, Prince, Steck-Vaughn,
Hausam/Eppler, HBJ, Locker, McDougall/
Littell, Write-Well, Hill/Savage, Rice,
Thoman, Rudolph



one stroke, D'Nealian, Sassoon/Briem, Italic,
Nelson, Goodfellow, Cavanah/Myers,
Progressive, Thoman Modern, Wilke/
Cummings, I.F., I.F. Modern, Practice,
Shiotsu



narrow, Kittle



one stroke, serif, right side curves inward,
Noonan



curved form, beginning and ending strokes,
Stone/Smalley



one stroke, right leg angled out, Carson-
Dellosa

UPPER CASE W



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Settlement House, Carver/Kasloff, Prince, Sassoon/Briem, Nelson, Hausam/Eppler, HBJ, McDougall/Littell, Hill/Savage, Rice, Thoman, Rudolph



one stroke, Italic, Goodfellow, D'Nealian, I.F. Modern, Practice, Shiotsu, Thoman Modern, Wilke/Cummings, I.F.



rounded form, Abdulaziz/Shenkarow



two strokes, like intersection V's, Cavanah/Myers



two strokes, rounded bottoms, Middle East/Subcontinent, European, Latin American, African



Black W (common terminology)



serif, inward curving ending stroke, Nelson



narrow, Kittle



two stroke, Progressive



middle shorter, Locker, Write-Well



curved form with beginning and ending strokes, Stone/Smalley



one stroke, upward stroke more angled to the right, Carson-Dellosa

LOWER CASE w



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Nelson, Steck-Vaughn, Hausam/Eppler, HBJ, McDougall/Littell, Write-Well, Hill/Savage, Rice, Thoman, Rudolph



one stroke, angular, Sassoon/Briem, Italic, Prince, Goodfellow, Progressive, Wilke/Cummings, I.F.



one stroke, rounded, D'Nealian, Carver/Kasloff, Abdulaziz/Shenkarow, Settlement House, Thoman Modern, I.F. Modern, Carson-Dellosa, Practice, Shiotsu



left side straight, right side curved inward, Noonan



short second stroke, Cavanah/Myers



narrow, Kittle, Locker



rounded form, beginning and ending strokes, Stone/Smalley

UPPER CASE X



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Carver/Kasloff, Prince, Sassoon/Briem, Nelson, Cavanah/Myers, Progressive, Hausam/Eppler, HBJ, Locker, McDougall/Littell, Write-Well, Hill/Savage, Rice, Stone/Smalley, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



Italic



narrow, Goodfellow, Kittle



ending stroke curved upward, Settlement House, D'Nealian, Thoman Modern, I.F., Modern, Shiotsu



rounded beginning stroke, Abdulaziz/Shenkarow



rounded beginning and ending strokes, Nelson



rounded (like two C's), Asian



high intersection, rounded at bottom right, Carson-Dellosa

LOWER CASE x



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, McGraw-Hill, Sassoon/Briem, Nelson, Carver/Kasloff, Prince, Cavanah/Myers, Progressive, Hausam/Eppler, HBJ, McDougall/Littell, Write-Well, Hill/Savage, Rice, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



Italic



curved upward at bottom right, Settlement House, D'Nealian, Thoman Modern, I.F. Modern, Carson-Dellosa, Shiotsu



narrow, Goodfellow, Kittle



curve at top left, Abdulaziz/Shenkarow



curved strokes, Noonan



straight serif at top left, rounded ending, Stone/Smalley

UPPER CASE Y



Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Carver/Kasloff, Steck-Vaughn, Cavanah/Myers, Goodfellow, Hausam/Eppler, HBJ, McDougall/Littell, Write-Well, Hill/Savage, Rice, Thoman, Wilke/Cummings, I.F.



shorter third stroke, McGraw-Hill, Sassoon/Briem, Locker, Rudolph



narrow, Kittle



two stroke, Italic, Carson-Dellosa, Practice



two stroke, Progressive



two stroke, Settlement House, Nelson, D'Nealian, Thoman Modern, I.F. Modern, Shiotsu



long bowl, ending stroke even with left side of bowl, Stone/Smalley



two stroke, first stroke does not intersect angle of second stroke, Prince, Asian



two stroke, Settlement House, Nelson



one stroke, rounded, Abdulaziz/Shenkarow



one stroke, small bowl (like a #7), Middle East/Subcontinent, European, Latin American, African, Asian



two stroke, flatter slope on left to right stroke (like a lower case t), Middle East/Subcontinent, African, Asian



two stroke, left to right downstroke angled, right to left stroke shorter, Middle East/Subcontinent, European



serif, rounded bowl, long upward curved ending stroke, Nelson

LOWER CASE Y



Palmer, Bowmar/Noble, Prince, Cavanah/Myers, Hausam/Eppler, Locker, Write-Well, Thoman, Wilke/Cummings, Rudolph, I.F., Practice



narrower bowl, Zaner-Bloser, Peterson, McGraw-Hill, Carver/Kasloff, Goodfellow, HBJ, McDougall/Littell



rounded ending stroke, New Laurel



one stroke, shorter rounded ending stroke, D'Nealian



one stroke, long ending stroke more angled from staff, Sassoon/Briem, Nelson, Settlement House



serif, rounded form, Noonan



one stroke, flat ending stroke, Italic, Abdulaziz/Shenkarow, D'Nealian



two stroke, end not even with left side of bowl, Progressive



wide, Kittle, Stone/Smalley



short ending stroke, Hill/Savage



wide, short descender, Rice



one stroke, rounded upward terminal stroke, Thoman Modern, I.F. Modern, Carson-Dellosa, Shiotsu

UPPER CASE Z

Palmer, Zaner-Bloser, Peterson, New Laurel, McGraw-Hill, Carver/Kasloff, Steck-Vaughn, Cavanah/Myers, Hausam/Eppler, McDougall/Littell, Hill/Savage, Rice, Stone/Smalley, Thoman, Rudolph, I.F.



one stroke, Italic, Progressive, Thoman Modern, Wilke/Cummings, I.F. Modern, Practice



shorter beginning and ending strokes, Bowmar/Noble, Settlement House, Nelson, Goodfellow, Kittle, Locker



ending stroke longer than beginning stroke, Sasson/Briem, HBJ



beginning stroke longer than ending stroke, Abdulaziz/Shenkarow, Prince, Write-Well, D'Nealian



one stroke, curved bottom, Middle East/Subcontinent, Latin American



loop at baseline, European, Latin American, African



angled crossbar, European, Latin American, Asian



beginning and ending serifs, long bottom stroke, Nelson



connected to next letter, Latin American



one stroke, shorter beginning and terminal strokes, Shiotsu, Carson-Dellosa

LOWER CASE Z

Palmer, Zaner-Bloser, Bowmar/Noble, Peterson, New Laurel, Prince, Cavanah/Myers, Goodfellow, Hausam/Eppler, McDougall/Littell, Write-Well, Rice, Thoman, Rudolph, I.F.



one stroke, Italic, Abdulaziz/Shenkarow, Progressive, D'Nealian, Thoman Modern, Wilke/Cummings, I.F. Modern, Practice



longer ending stroke, Sasson/Briem, Steck-Vaughn, Stone/Smalley



shorter beginning and ending strokes, McGraw-Hill, Nelson, Settlement House, Carver/Kasloff, HBJ, Kittle, Locker, Hill/Savage



retraced and curved bottom, Noonan



one stroke, shorter beginning and ending strokes, Shiotsu, Carson-Dellosa