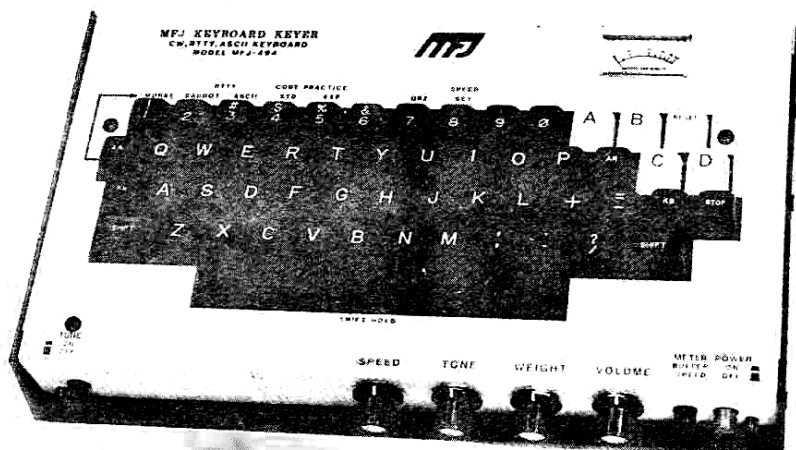




MFJ SUPER KEYBOARD II

MODEL MFJ-496



OWNER'S MANUAL

CAUTION: Read All Instructions Before Operating Equipment.

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Thank you for your purchase of the MFJ-494/MFJ-496 SUPER KEYBOARD. You will find that these Keyboards are the most convenient and versatile now available. They make sending perfect MORSE CODE almost effortless and also handle BAUDOT, and ASCII.

FEATURES:

1. Sends Morse Code from Keyboard.
2. Sends Baudot Code from Keyboard.
3. Sends ASCII Code from Keyboard.
4. Full feature keyer.
5. Morse Code practice.
6. Buffer memory.
7. Buffer hold function.
8. Programmable message memories.
9. Automatic messages.
10. Delete function.
- * 11. Automatic incrementing message serial numbers.
- * 12. Repeat function.
- * 13. Real time clock (with optional board).
14. AFSK/FSK Keying (with optional board).
15. RTTY Loop Keying (with optional board).

- NOTE: 1. Key stroke commands will be noted as follows: "CTRL-X" means press the "Control" key, release, then depress the "X" key. "SHIFT/X" means hold the "SHIFT" key while depressing the "X" key.
2. White Keys are noted by a square (☐) around the key legend. The white "A" will be written ☐ A ☐.
3. "*" indicates features available in model MFJ-496 only.

OPERATING INSTRUCTIONS

INSTALLATION:

Plug the MFJ AC Power Adapter's output plug into the 2.5 mm POWER jack on the rear panel of the MFJ-494/MFJ-496. Then plug the power adapter into a 110 VAC 50-60 Hz output. A 9 to 18 volt DC power supply can also be used. Use a 2.5 mm plug with positive voltage connected to the tip and ground connected to the sleeve.

Shielded cable MUST be used for all interconnections between the MFJ-494/MFJ-496 and all other equipment including external key paddle.

MORSE CODE OPERATION:

Set the front panel controls as follows:

TUNE.....Off, Tune switch in the OUT position.
 SPEED.....Midrange.
 TONE.....Midrange.
 WEIGHT.....Fully counter-clockwise.
 VOLUME.....Midrange.
 POWER.....On, power switch in the IN position

The MFJ-494 and MFJ-496 provide two keying outputs, GRID BLOCK and DIRECT. The Grid

Block output will key negative 200 volts to ground at a maximum of 10 mA. This will key all transmitters with Grid Block Keying circuits. For keying solid state and cathode keying transmitters the DIRECT output will key 300 volts to ground at 100 mA maximum. If in doubt as to which output will key your transmitter try both. If the transmitter keys continuously when plugged into one output, use the other.

The MFJ-494 and MFJ-496 will be in the MORSE CODE MODE when turned on initially. To change from any other mode to morse code type CTRL-1, or press the **RESET** (system reset button).

Set the desired speed by either sending characters and adjusting as you listen or type CTRL-8 and adjust the SPEED pot until the desired speed is read on the speed meter. Press the SPACE key to release from this mode.

The weight control in fully counter-clockwise position provides a perfect 1:3:1 dot, dash, space ratio. Turning the weight control clockwise increases the weighting by increasing the length of the dots and dashes and decreasing the space length. This can be used as a correction for slow acting transmitters or for adding individuality to the sound of your CW transmission. However at high speeds (greater than 20 WPM) increase weighting will cause the dots and dashes will run together. Except for compensation of slow acting transmitters the best results are obtained with the weight as lowest setting (counter-clockwise).

Adjust the tone and volume so that the side tone is pleasant to the ear. You may tune the transmitter either by typing CTRL-9 or by placing the "TUNE" Switch IN to tune. CTRL-9 will give you a string of dots to avoid overheating the transmitter final stage during tuning. The "TUNE" switch holds down both the keylines. CTRL-9 will hold the PTT line down, the "TUNE" switch will not.

By sending either from the keyboard or the paddle, both the keyline and PTT circuits will be activated, the PTT line will wait about 0.5 second before opening for convenience.

Common prosigns are supplied on the keyboard and are stored in memory as one (1) character:

PROSIGNS	COMMANDS
AR	SHIFT/:
AS	AS
BT	(dash)
KN	SHIFT/AS
SK	SHIFT/3

Model MFJ-496 supplies European and Commercial characters:

CHARACTER	COMMAND
Å	SHIFT/A
Ä	SHIFT/Q
É	SHIFT/E
Ñ	SHIFT/N
Ö	SHIFT/O
Ü	SHIFT/U
Ç	SHIFT/C
ATTENTION	SHIFT/T
HYPHEN	SHIFT/H
UNDERLINE	SHIFT/L
UNDERSTAND	SHIFT/K
SEPERATION	SHIFT/S

FIXED MESSAGES are provided to be used in conjunction with message memory "A" (see message memory section for instructions on loading message memories).
NOTE: It is most convenient to load message "A" with your call sign.

MESSAGES	MFJ-496 COMMAND	MFJ-494 COMMANDS
CQ CQ DE (message "A")	SHIFT/ C	C
CQ TEST DE (message "A")	SHIFT/ D	D
QRZ (message "A")	SHIFT/ B	CTRL-7
DE (message "A")	ID	ID

EXTERNAL KEY INSTALLATION:

An external squeeze paddle can be used with the MFJ-494 and MFJ-496. Use a standard quarter inch stereo phone plug and a two conductor shielded cable. If separately shielded cables are used, tie the two shields together and connect them to ground. Connect the dot wire to the ring of the plug and the dash wire to the tip. Plug the external key to the "KEY" input jack in the rear of the keyboard.

NOTE: The External Key cannot be used to load the message or buffer memories.

MORSE CODE PRACTICE:

You have a choice of two general modes of random code practice. The first is true random code where the sequence is in groups of random length which never repeat exactly the same way. Call up this mode by placing an "R" in message memory "A" and typing CTRL-4 or CTRL-5 (see below).

The second mode is PSUEDO RANDOM code where the groups are always five characters in length and will repeat exactly every time they are played. There are eight different lists, called by placing a number from 1 to 8 in message memory "A" and typing CTRL-4 or CTRL-5 (see below). The eight code lists are included in the back section of this manual. They run about 1500 characters each.

To halt the code practice (for chow call etc.), press the SHIFT key for one second. To restart where you left off, press the SHIFT key for one second again. (Incidentally, if the MFJ-61 REAL TIME Clock plug in board is installed, pressing the SHIFT key for one second will stop the REAL TIME clock as well as the Morse Code Practice.

Practice will stop at the end of each list. In the true random mode, practice will continue indefinitely until the SYSTEM RESET button is pressed.

For normally spaced practice, use CTRL-4 to commence the code, for code with extended spacing between letters (quasi-"Farnsworth Method"), type CTRL-5 to commence the practice.

If you desire only the alphabetic characters (no numbers or punctuation), load an "N" in message "A" after the "R" or number loaded for true random or psuedo random practice.

The speed of code practice is set by the "SPEED" control and the speed meter indicates the speed of character generation. Note that in the extended spacing practice mode the WPM indication isn't correct though the speed of individual letters is correct.

Use SYSTEM RESET to exit from the practice modes.

BAUDOT OPERATION:

The MFJ-494 and MFJ-496 provides a TTL level RTTY output to run any external RTTY equipment with TTL level input. Baudot (5-level) TTY code is transmitted from the keyboard at 60 WPM standard speed. (45.45 baud).

Connect the TTL level input of your modulator/demodulator or any other TTL RTTY unit to the TTL level RTTY output of the MFJ-494/MFJ-496 with shielded cable. (The optional model MFJ-53 AFSK/FSK plug in board will supply a direct mic input for FSK on SSB rigs or AFSK on FM and AM rigs. High Voltage Loop keying can be obtained by the optional model MFJ-54 current Loop plug in board.)

To go to Baudot mode: Type CTRL-2. Now the keyboard will send Baudot code. Type just as you would on a normal typewriter.

Carriage return, line feed and "LTRS" are sent automatically after 63 characters and a space have occurred on a line. After 70 characters, the function is initiated without any space being present. This makes nice looking copy at the receiving end, with the carriage return not breaking words and frees the operator from worrying about the carriage return.

All up and down shift is handled automatically. In addition, a downshift occurs on every space to quickly clear any garbles in reception.

Note that at the beginning and end of your transmission and at ten minute intervals during the transmission, you are required to send your call letter identification. Pressing the "ID" key will send your ID in RTTY, pressing "SHIFT/ID" will send your CW ID over the loop circuit. This assumes you have loaded your call letters into message "A" as described in the PROGRAMMABLE MESSAGE MEMORIES section.

ASCII OPERATION:

Same as above for Baudot operation except for functions involving up and down shifts (FIGS and LTRS). These functions are not required in ASCII mode. By typing CTRL-3-SPACE bar the keyboard will send ASCII at a speed of 110 baud.

NOTE: (For MFJ-496 only) When first called into the ASCII mode the MFJ-496 is in "CAP LOCK" operation, all letters are sent as capitals. To get out of "CAP LOCK" type in SHIFT/CTRL: Capital letters are now sent by using the shift key. Otherwise lower case letters will be sent.

BUFFER MEMORY:

The Buffer memories allow you to type ahead of what is being sent by the keyboard. It is not necessary to wait till a character is finished to type the next character. To send a lengthy message just start typing as you would normally and the keyboard will send the code as you have typed it. This also smooths out the rhythm of the sending, even if it is typed in bursts.

The MFJ-494 has 50 characters of Buffer memory.

The MFJ-496 has 256 characters of Buffer memory.

BUFFER HOLD FUNCTION:

Transmission from the Buffer may be temporarily halted by typing SHIFT/SPACE. This allows the receiving station to break for a repeat etc. You can use the paddle during the hold if you like. The transmission will be continued when the "CTRL" key is pressed. This feature can be extremely useful in traffic handling. The "HOLD" is effective in all modes using the sending buffer. During the hold mode, the buffer memory may be pre-loaded while you are receiving.

PROGRAMMABLE MESSAGE MEMORIES:

The MFJ-496 contains 256 characters of programmable message memory.

The MFJ-494 contains 30 characters of programmable message memory.

PRELOADING THE MESSAGE MEMORIES:

A. For MFJ-496. The procedures for loading of the message memories "A" through "D" are the same except that you must proceed from "A" to "B" to "C" to "D". The reason for this is the "B" starts at the end of "A", "C" at the end of "B" and "D" at the end of "C". This method is used to get maximum utilization of the available memory. If you change "A", "B" or "C" (unless the length stays the same), you must reprogram the following messages also.

Note that you may have one long message, four shorter ones, one short and one long or any combination of one to four messages as long as the total does not exceed 256 characters.

Normally, message "A" will consist only of your call letters. To prepare, type

CTRL-[A] (the white "A"), type your call letters and then hit the "CTRL" key again to release from the load mode and end the message. You can include any key or shift combination in the message including the time or incrementing serial number, but not including the messages (CQ, CQ TEST, QRZ AND THE ID'S).

Prepare the other message memories "B" through "D" the same way using white keys

[B], [C] and [D].

When you have space for only three characters left in the LOCAL memory, the OVERFLOW red LED (behind the SPEED/BUFFER meter) will light and you will have to stop accordingly. You may have to reprogram message "D" if you've stopped at an awkward place.

After programming the Message Memories pressing the "CTRL" key will release the MFJ-494/MFJ-496 from the Message Memory Programming mode.

B. For MFJ-494. The procedures for loading the message memories of the MFJ-494 are the same as for the MFJ-496 except the memories store only 30 characters in two sections "A" and "B".

TRANSMITTING MESSAGE MEMORIES:

The message memories once loaded can be transmitted or inserted into the Buffer by pressing the corresponding memory key (white keys):

Message "A"	Press	[A]
Message "B"	Press	[B]
*Message "C"	Press	[C] (For MFJ-496 only)
*Message "D"	Press	[D] (For MFJ-496 only)

AUTOMATIC MESSAGES:

The MFJ-494 and MFJ-496 keyboards each have a complement of Automatic Messages that are coupled with message memory "A". The messages are the same but the call commands are different.

MESSAGE

MFJ-494 COMMANDS

MFJ-496 COMMANDS

CQ, CQ, DE (message "A")
CQ TEST, DE (message "A")
DE (message "A")
QRZ (message "A")

[C]
[D]
ID
CTRL-7

SHIFT/[C]
SHIFT/[D]
ID
SHIFT/[B]

DELETE FUNCTIONS:

For MFJ-496. You can delete the last word typed into the Buffer assuming it hasn't started transmission, by typing SHIFT/ DELETE . Each time you hit the SHIFT/ DELETE key, the last word (back to a "SPACE") will be deleted.

If you are loading the message memories the SHIFT/ DELETE command will delete one character per depression.

For MFJ-494. SHIFT/ DELETE will delete one character from the Buffer memory if that character has not started transmission. The MFJ-494 does not have a Programmable Memory Message delete, just reprogram the Memory.

AUTOMATIC INCREMENTING MESSAGE SERIAL NUMBERS: (For MFJ-496 only)

An automatic incrementing serial number from 0 to 9999 is available for insertion into the sending buffer or the message memories for contest which require sequential numbering. Leading zeros are not transmitted.

To preset the serial number type "CTRL-6" and type a four digit number starting with the most significant digit, for example type the 3 first if presetting the number 3456 or type the 0 first if presetting 0135, or type three 0's first if presetting 0003 etc.

Normally, you will start a contest by presetting 0000. Always type in a four digit number. The load terminates on the fourth digit. You can check the preset number without incrementing by typing SHIFT/6. The serial number is loaded into any message memory by typing SHIFT/6.

When the serial number is accessed via a message memory, it increments before transmitting. i.e., if you preset to 0000, the first number sent via the message memory will be 1 (0001). If you have a problem during the contest with the numbers getting out of line (due to invalid QSO's, etc.) you can increment the serial by typing "CTRL-I" or decrement by typing "CTRL-D".

If the serial number gets too far out of line, use the preset to get back on track. Note that the decrement command takes a finite part of a second to finish, the OVERFLOW lamp will light during the decrement as a reminder.

REPEAT FUNCTION: (For MFJ-496 only):

A repeat function allows repetition of any of the four message memories after a presettable period of from 1 to 99 seconds.

You can repeat the message memories simply by striking the white message key repeatedly or you can use the delay mode for delayed repeats of from 1 to 99 seconds. To load the figure in seconds, type "CTRL--" (dash) and then type two numbers representing the delay desired (in seconds). Type the most significant number first (the TENS digit). If the number is less than 10 you must type the leading zero. The load terminates with the second digit. Now when one of the four message memories is called up, it will repeat continuously at the interval preset until aborted by hitting the SHIFT key while the delay is underway. The OVERFLOW red LED lights up behind the meter during the delay period as a reminder. The PTT line is held down during the delay period as well as when the keyboard is sending.

PLUG IN BOARD OPTIONS

*REAL TIME CLOCK (MFJ-61 Plug-in Board):

The real-time clock option allows generation of a time transmission (24-hour format, i.e. 21:42) in Morse, Baudot or ASCII. Time can be inserted in the sending buffer or any message memory. Time is sent as 21R24 in Morse, 21:24 in ASCII and Baudot.

To set the clock, type "CTRL-7" and type in the time in 24 hour format. i. e. 7:00 PM is 19:00. Type the first three numbers starting with the most significant ("1" in the case of 17:00, "0" in the case of 06:15, etc.). Type the fourth number at the 0 seconds time and the clock will be exactly set. The "R" in Morse code and the ":" in ASCII and Baudot is inserted automatically. This means you will normally wait for the next minute to come up before hitting the last number. You must always type four numbers and preset terminates automatically on the last number.

To send the time over the air, type SHIFT/ A . You may place a space before and after the time as if it were a single letter in the text, or a more elegant way is to embed it in a message memory with the PST, EDT, GMT or what have you plus the date. (TIME HR IS 12:45 PST - 12/24/80). You embed the time during the message load by simply typing SHIFT/ A .

AFSK/FSK (MFJ-53 Plug-in Board):

The model MFJ-53 AFSK/FSK plug-in board is designed to provide both 170 and 850 Hz frequency shift keying. Connect the AFSK/FSK board output to your SSB rigs mic input for FSK and to the mic input of your FM or AM rig for AFSK operation.

RTTY CURRENT LOOP KEYING (MFJ-54 Plug-in Board):

The model MFJ-54 CURRENT LOOP KEYING plug-in board provides a 300 V, @ 60 mA driver for RTTY Loop and an external TTL input so that a computer can be used to drive the Current Loop output.

: * denote commands valid only on the MFJ-496 keyboard.

E MODE: CTRL-1 (Automatic after system reset)

UNMARKED PROSIGNS:	KEY STROKE:
AR:	SHIFT/:
BT:	- (dash)
KN:	SHIFT/AS
SK:	SHIFT/3
* A:	SHIFT/A
* A:	SHIFT/Q
* E:	SHIFT/E
* N:	SHIFT/N
* O:	SHIFT/O
* U:	SHIFT/U
* CH:	SHIFT/C
* ATTENTION:	SHIFT/T
* HYPHEN:	SHIFT/H
* UNDERLINE:	SHIFT/L
* UNDERSTOOD:	SHIFT/K
* SEPARATION:	SHIFT/S

BAUDOT MODE: CTRL-2

CR:	SHIFT/.
LF:	SHIFT/,
LTRS:	SHIFT/;
BELL:	SHIFT/AS
RTTY ID:	"ID"
CW ID:	CTRL-"ID"

ASCII MODE; CTRL-3-SPACE bar

CR:	SHIFT/.
LF:	SHIFT/,
BELL:	SHIFT/AS
RTTY ID:	"ID"
CW ID:	CTRL-"ID"

RANDOM CODE: CTRL-4 (standard spacing)

SLOW MODE: CTRL-5 (extended spacing)

MODE 1: Place any letter other than "1" thru "8" in message "A".
 MODE 2: Place letter "1" through "8" in message memory "A".
 PAUSE: Press SHIFT and hold one second; to release, press SHIFT again.

ALL MODES:

LOAD MESSAGES:	
MESSAGE "A":	CTRL- [A] , type in message, then CTRL again (NOTE: Message "A" normally consist of your call letters).
MESSAGE "B":	CTRL- B , type in message, then CTRL again.
* MESSAGE "C":	Same as for message A & B.
* MESSAGE "D":	Same as for message A & B.

KEY STROKE:

- THE BUFFER FULL: Red LED behind the meter lights two characters before full. In addition, the buffer meter indicates the amount of message memory storage space used. (Message "A" must be programmed before message "B", also any change (of length) in "A" will effect message "B".)
* The same is true of "C" and "D", i.e. program "A" first, "B" next, "C" next and "D" last. Any later change of length in a preceding message will disrupt the following messages.
- * READ SERIAL NR: SHIFT/6 (This does not increment the number.) SHIFT/6 can be inserted in message memories "A" through "D" where each use will increment the number.
- * PRESET SER. NR: CTRL-6 followed by four digits (most significant first). Use CTRL-I to increment, CTRL-D to decrement.
- * REPEAT MODE: Preset delay interval in number of seconds by pressing CTRL-- (dash) followed by two digits (MSD first). Messages A* through D* will then repeat automatically until the SHIFT key is pressed (during delay) to release and reset delay to zero. The overflow lamp lights during the delay interval for monitoring.
- MESSAGE "A": A
- MESSAGE "B": B
- * MESSAGE "C": C
- * MESSAGE "D": D
- AUTOMATIC MESSAGES:
FOR MFJ-494:
- CQ, CQ, DE (message "A"): C
CQ TEST DE (message "A"): D
DE (message "A"): ID
QRZ (message "A"): ID
- * FOR MFJ-496:
- CQ, CQ, DE (message "A"): SHIFT/C
CQ TEST DE (message "A"): SHIFT/D
DE (message "A"): ID
QRZ (message "A"): SHIFT/B
- PRELOAD BUFFER: SHIFT/SPACE bar (CTRL to release)
- HOLD BUFFER: SHIFT/SPACE bar (CTRL to release)
- DELETE LAST KEY: *SHIFT/ DELETE from message memory only (MFJ-496 only)
SHIFT/ DELETE from sending buffer only (MFJ-494 only)
- DELETE LAST WORD: *SHIFT/ DELETE from sending buffer only (MFJ-496 only)
- MESSAGE RESET: RESET

KEY STROKE:

BUFFER RESET: RESET

SET SPEED: Press CTRL-8 and adjust speed pot, any key releases

TUNE: Press CTRL-9, SHIFT to release (gives continuous dots

SPECIFICATIONS

SPEED:

Morse range: 5 to 100 WPM
BAUDOT: 45.45 BAUD (60 WPM) 8 unit code 1 start, 5 data, 2 stop.
ASCII: 110 BAUD 11 unit code 1 start, 8 data, 2 stop.

NDING BUFFER:

MFJ-494: 30 characters total, soft partitioned into 2 sections
 (A & B)
MFJ-496: 256 characters total, soft partitioned into 4 sections
 (A, B, C, & D)

OMATIC MESSAGES:

CQ CQ DE (message "A")
CQ TEST DE (message "A")
DE (message "A")
QRZ (message "A")
*Incrementing serial numbers from 0000 to 9999.

ONITOR:

Internal sidetone generator and apeaker volume and pitch adjustable.

EYBOARD:

54 key alphanumeric plus space bar, punctuation and prosigns (KN, BT, AR, AS, SK, KA)
MFJ-496 has European characters A, A, E, O, U, N, and CH, also commercial code for "Attention", hyphen, underline, "understood" and separation.
Gold inlaid key contacts individually replaceable. Sculptured and tilted two-shot molded keycaps. One character produced per key depression. Debounced and "TWO-KEY LOCKOUT."

ADDLE KEYING:

With external paddle key, iambic with dot and dash memories.

UTPUTS:

DIRECT KEYING.....Positive 300 volts to ground, @ 100 mA
GRID BLOCK KEYING.....Negative 200 Volts to ground, @ 10 mA.
PTT (Push-to-talk).....Positive 300 Volts to ground, @ 100 mA.
TTL level RTTY.....TTL level, sink or source 5 mA.

POWER:

9-18 VDC, @ 400 mA.
110 VAC 50-60 Hz with MFJ AC Power Adapter

SIZE:

12" wide x 7" deep x 1-1/4" high (front), 3-1/2" high (rear)

WEIGHT:

4 lbs.

PANEL CONTROLS:

TUNE, SPEED, TONE, WEIGHT, VOLUME, METER SELECTOR, and POWER.

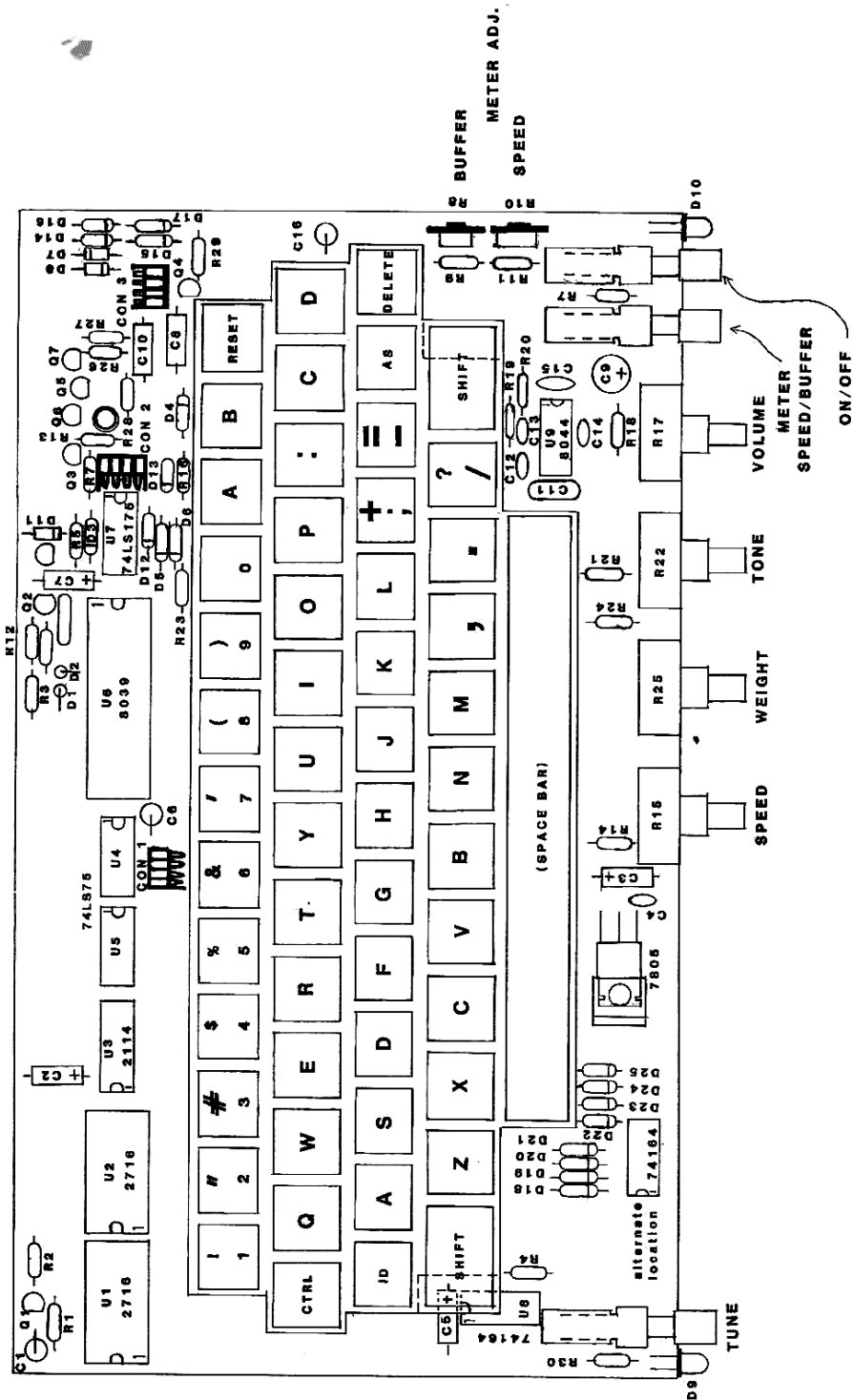
OPTIONAL PLUG-IN BOARDS:

MFJ-53 AFSK/FSK KEYING
MFJ-54 Current Loop Keying
*MFJ-61 REAL TIME CLOCK

CALIBRATION:

Normally, your MFJ-496 or MFJ-494 will not need calibration over the life of the unit. However, you may touch up the settings if you desire.

1. Speed meter calibration: Trimmer (R10) on the keyboard PC board controls the calibration of the metering circuit. Connect an oscilloscope or pulse measuring counter to pin 14 of the 8044 IC. Set the speed pot to give a reading of 48 ms. for cycle length when the dot key (or CTRL-8) is depressed (dot is 24 ms., space is 24 ms.). Then adjust the trimmer R 10 (ten) (see component diagram). When the speed meter reads 50 WPM, the adjustment is correct. (You will NOT HEAR dots during this test if you use CTRL-8. They are muted.)
2. Buffer meter calibration: Trimmer (R8) on the keyboard PC board controls the buffer meter calibration. Press SHIFT/SPACE (bar) to place the unit in a preload position. Then type keys at random until the buffer fills and the OVERFLOW WARNING lamp lights. Hit three more keys to completely fill the buffer, then adjust the trimmer R8 (see component diagram) until the buffer meter indicates "100". Press the SYSTEM RESET to reset the unit.



MFJ-496 COMPONENTS DIAGRAM

NORMAL

LIST 1:

YTYCA UYCAY KD?UU KDUUU KDUIH D?3DP HU5E7 R3DPH U57R3
 DQ?M0 -E??? -OAE- PNZDM -A,PD OP?-P N7YIU ?JN80 AZ97F
 R913 FUPC P.LOM AC9OF GG,ED M-80F -Y/Y 3DEGF UEGAZ
 Y2DJF ?Y4P -YH0/C 6Z,UK D180 PHDLO HDH9C UN80 Y2008
 DY8EO UD4Q- U0T1 GYUOW DUGY QGD09 YOKD9 CUAD1 AJ9GF
 JG0JV K-F8V HFF8V HQFKH 1?JHP PGEXE E1HPP GEVEE 1HS6?
 U6A-5 Y-V5Y BYWAI 1YAS8 TAPYF Y-A1Y J3Y?U G5EBY 65?TE
 60LEX GAF2W 91ABF 6EE6K 1MHA5 6ET7Y 1HW69 W6DJR AUE?7
 SE7M6 ,142D IFMAW 16E2K HW9KH K4GAH 16EEQ AC94H 4W9C
 90HJ4 EC9HH 4AEC9 /HY4A EC94H E4ECY QNJ4G GBAH0 ZKKCZ
 KCOZ. K4K4 K4MK R-0RK A0LU-X WKRKA 0LU-X WKRHT 755W4
 ?-EYA D8-C4 7HKBY ED5CK AP8-C H07Z1 A?FHU KD8HL 755W4
 LRU-L ER2? RBDEU KOLUK BYEUK S5YJR KJCHZ EGU?L ETUYL
 EUTKS W33PN AUKRM K7MKJ LNMAU K2K4G JKKJN GYKAK YKGJK
 KJMKG YKAMJ KJMKG J2KGY KAJKK DNBKU VOGSO G9YMY SJYMS
 SJYMY SJPMOE MBOX7 ?EM8 OA77? EM5GY ?KY7Y 7Y7MH 6YFKE
 PM7HE FMMP6 YFK,E RM?EK 7MHP6 YJW?1 E/YJW E8XDR YSH7M
 YYYWL GM77M 1E7VU LEMYY ASYYG MX5L6 7MX87 WKFYE T6TSP
 1-7MP MY5PM BAN3Z N7M05 5L5JM AYIL5 JMA7M L5JMA ALSAM
 MAALS AMMAW LSAMN AQVH3 M91YL YL11Y LIEP7 1JEP1 1JEP4
 1PFOY 9WPDE -?W PDE-0 ?W96 9?V9E .7?07 EAKU8 2X0PH
 EKUPA PU72T X1EA? UEAKU 09J71 U,9AW 4--HY VEAEU HKYEA
 EYAAK PHEEA 1UEYG WWP8Y ME89L Z1-X4 ??K4E ?9LWU SRIAH
 YEAVP PAEPP D/HQ3 EA6C1 WEUPC 8AWEZ PBEAW EZ?BC CUEPA
 CQNEP AGCNE MPPY. KHP1R 8WAW1 RAN5R MPEIU MPEIU MPIAP
 YU7PH M-U-1 /PHM/ OP-1/ P5UN? -NAXE0 ?PE0X CM76R JB70P
 U40M7 JPCP7 ERJ85 7RWU? 7BBUN? 70NZ. 7H7N /J/K E-XYO
 MEWBK NM.7V FOX0W BH7X7 L?P6N PGNWD F3J/F PFB6N /P8XB /DPDB
 /K6E1 BK9KW B.APA PABYO HAWBU F3J/F PFB6N /P8XB /DPDB
 GF/CP CBGF/ BPBBU F/APA BAYMU PQ54M /HM/E UAKHF UAHF
 UAD? EAE7U PAAGP EXEAD E?/G? 4DPEE 3DY?M 30BY, J2YMP
 -CJEP KJAY- -AE?O M?A., AUGAU 3/H-J /J?Y- 13?V
 6JWHU OSACR ANA9M 08EHJ YEAEU 3YIAI ?YAAA KEYGA GKEYA
 BEYCA CMCP9 AREOS -AYMO AYUGB ?MEGB MMEGB MDBZA E1BMJ
 1HY11 BMJTR Y11B5 61?E1 7R?Y? R?Y?K PW7XK A-MBK 79FOM
 RKPW? KMAU- O?K?J AYHPW M1A9? U0119 IURJP 0G0ZK PYHC1
 C9Y8 K?Y9H U0?V- Y1871 C071Y MUZYU ?98U? 911-1 YJ/MH
 5YH0 DRG0D B11N 5YHCP 2A0UB 17HA0 RBQ1? HA0BN 10A0L
 BK1CA 013H1 6A0GB FIAMP NBJ

PUNCTUATION AND NUMERALS OMITTED

YTYCA UYCAY KDUUK DUUUK DUUND DPHUE RDPHU RDQMG EOAE
 NZDMA PDOPP NY1QJ NOAZW FR9IF EUPCP LOMAC OFQEE DMOF
 DE9FO EGAZY DJFYF YH0ZU KDLOI PHDLO HDH9C DNOYD UDYG
 OODQ0 ODWYQ UWD0Q0 YYG0D QGYOQ DQCUA DAJGF JGJWH FVHF
 WQFKH H1HPY PGEXE E1HPP GEVEE IHSUA YBYW AYHAB AHES
 YAYJY UEBY7 EGIEK GAFWI ABFEE KTMHA ETYIH WWDJR TUES
 MIDIF MAWEK HUKHK GAHEE WACHC WCOHJ ECHHA ECHYA ECHC
 COHJG GBAHZ KKCZK COZKK KMKRR KALUX WKKAL UKWRK TGYE
 YADCH HKBYE DCKAP CHUZ1 AFRUK DHLSW LRULB ERRBD EUKO
 UKBYE UKSYJ RKJCH ZEGUL ETUYL EUTRS WAFNA UKRMK MKJL
 MAUKK GKJKJ NGYKA JYKGY KKKJK GYKAK MKGJK KJGKY KAJK
 DNBKU VOGSO GYMS JYMS JYMS PMOEM BOXEM BOXEM GYKY
 YMHYF KPMH EFMMP YFNER MEKMH PYJWI EYJWE XDRYH MYYY
 LGMMI EVULE MYAY YGMAL WAKAF YETIS PMPMY PMBAW ZNMQ
 LJMAY LJMAM LJMAA LAMMA ALAMM AGLAM MAUVH M1YLY L1LY
 IEP1J EPIIJ EPAIP FOYWP DEWDF EWPVE EAKUK PHEKU PAPU
 K1EAU EK1UJ UAWHY VEAEU HKYEA EAKKP MEAEU EYSGW PMEL
 IAKEL WURIA HYEAV PPAEP PDHDE AC1WE UPCAM EZPBE AWEZ
 BCGWE PACCW EPACW EMPY KHP1R WAWRA WRMPE UMPUM PAPP
 HMOIP HMOPI PSUNN XEPX CMRJB OPOXM JPCPE RJBRW CBWB
 ONZHI NJKEK YUMEW BKNMV FOXWB HXLPN PNWDR JJVJX SNXK
 BKXWB APAPA BYOHM WBUJF J PFB6N P8ABD PDBGF CPCBG FBPB
 UFAPA BAYMO PGMHM EUAXH FUAHH EADJB BAJEA KZYM CZAT
 XOXOG PEUEA DEAE0 PAAGP EXEAD EGDPE EDYMK YJYMK CJEP
 AYAE0 KXAUU UHJYJ YJY1V JWHDO HACBA NAME0 HJYEA EUY1
 IYAAA KEYGA GKEYA EYCAC MEPAE OSAYM GAYUG BMKGB MMEG
 MDBZK E1BMJ TRY11 BMJTR Y11B1 Y11B1 E1RRK PWAKA MBYU MBK
 XMAU0 KJAYH PUMIA U0119 IURJP ZKPYH C1CYB KHYUO VY1B
 CIYMO ZYUUI 1YJMH BYHDB GDBIN ZYHPZ AUBJH ARBQ1 HABN
 OALBK 10A1B H1AGB FIAMP NBJ

ALL LISTS REVISED 1-18-81(A)

LIST 2:

NORMAL

NY-AC ,FWMG AAZF, YIMGA PH615 GSASV 9J,CT OKZKY 01PAG
 S7-R, OBYYS -AZYT DMD3A YMYKY NY8G. YX1PC IDP1H
 DADND M7AMG RYMYT BOSND INKIE F172E F2TY2
 OF7YC P3Y58 C72ADH ,GNN4 /1FOP CAVYO CUACH -YFSS YFSS
 YFYSY -Y9AF YX1YV X18YX 13YU1 E-U9A ZYV15 NP1M1 9GCKT
 YTEAK -YETJ HAKAP UME6T JUKTG 59MDU 29H16 9GCKT
 JTEAK JAUAI MEK2P EKE2ME KEE96 6Y7-H PF0A2 2A20A 2MA2P
 AZMA2 PAGA2 35A67 A36ET 36331 U1P1L 19XAK E-59R ,E-57
 G2IYE 16G7, 01ULY 13SL, R15E, JAFNY 9Y9G6 BPGE 1JEE
 TIJEE TJUJY -H8J- H4J-H HJFHM FDUJ.1 11012 HYBKF 0577B
 OC07U UKB9C B07KU CJ25G OSKEN PHZPK PBL75 00NHE SCPPZ
 YLCH2 ZNFNR AMORA MORAN ORNEL EKA6E ROR9N RPNRP NRPNR
 PNMRK -ECBO LEB10 UK51H KH8A8 A6H1WH K-UEX 1/EEX 6R9K3
 K731E 18X7A 1IKTE GEUTJ BE189 KK00K Y0KU1 UKU1U KUUYZ
 5CAZ/ K4Z/K JZ/KO ZK2Y5 CHZTA 1A0HD K7OE, ELEBY GKVOE
 BLGYG DOE7Y KGJEL ,ECU1 PMP531 WYK7E YLE1K XEGAK 87WGM
 D1IEC U,ECU ,EUB, EY3YM WX,BS E,ENI EA1EA 1EPIE P1EOG
 YYWQG ,7M0Y P00D4 NOM/K V75C8 TVV1Y ,X04E NH071 KA67E
 NG37W 4857D HANSO VH007 08KHG 8KHG8 K67EG YSYJY 957SE
 GMEHN EMHLE IY1UX X4H4L 079X4 X1BHA LHEWB 9VLZI XIUYU
 AAZ1A EBP19 V7UJX KAML7 LBIYA ELZ1A HSHWG 61XFG IXGIX
 E129U 7BDYV XSXK1 HXCXK XPHXY HYLH9 YJH6T EAS69
 2,9AU 3EUYT LYF47 YL,AE T7YSW 3CP2Y ?JAM- K36H- L/J4E
 DHYKS L3EY, KEYE9 CAVML CAVML CAVLE 1L01J BT11B U1JBN
 11BHE ILZIM M3MUM BUKGA Y1773 JOMW, E32X DOMM MDONY
 WDR-1 7ANED RBDPQ ,N737 Z7WMP W72DR YJX,W DRKIK /K1-
 K1-HK 1-K6G NG-72 DHE9J -10-A K-EFK DK-BK -PK-A 070MO
 NZ,70 SWB7N G1NNK JHMF4 B8W4E EJE08 MK03A 1/FI2 6A73JA
 /7HP/ X,40J UAKET W1AYW MA6FJ YU6FJ YU6FJ YXKRW GRUDR
 UDF7A DIR1D PX1WD RUKUM ZFZD7 AME-A ?JEA/ IX57J --AEA
 /MZYA ,38/A 0/AMO 3DHDA PAY38 7-A3P -0E/H8 J7Y/H 5110V
 A,N/NO VA663 KY-RA KKNJ3 ,NHDP MEOJ E3Y-E YESY3 41110
 UOZD4 UJUXO 40L0- M3,OE 66M72 BK2,7 0Y2,7 IOJ7M KBOME
 PZM75 E38F- E38F- E38-7 0/LGA KGAE6 A6H40 7H8/H GOFOD
 A,7JA KO/-U KCY17 E-U// NKCPY BNT14 YOOYO A,HHM OH0NP
 J9147 01/BN A,0YK 04U79 YMOBH B1Y... A..E. -CUIV 9ENM3
 Z,H1. 3B,JB ,KB,H B,FB, AKK9Y KI19K 9UYH9 15A4H ,F95C
 AS-GZ YU795 ,PKCX 9AH16 AU427 K100T- 990T- 3B9US PDK,6
 6AMP4 2EU4/ U4/U4 /700Y WOLNV OLNDU LNNDM NO7MO YHOK,

PUNCTUATION AND NUMERALS OMITTED

NYACF MGAAP YMGAP H05AY JCTOK ZYKOP A65RO BYYAM YSF4Z
 YJDMO AYMYK YFYGY XPCID PHDAD MDKOP DCMAM 6RYMN OSN01
 KNKEN HIGNT YLDEF TYOFY CPYSC AOHNN IFOPC AVOVC UMACY
 FSSYF FSSYF AFSYA YXYYX YXUYE UAZIV ISNP1 MGCKT TEAK
 YETJH AKAPU HETJU KTGMD JMHP7 TTHDP JTEJD JAUAI MEKPE
 KMEKE YHPFQ AAQAM APAMA PAGAA AETUP LXAKE REG1Y EIGOI
 ULYSI RIEJA FNYGY GBPE ETIJE ETIJE ETJUY JHJHJ HHJPH
 MFDJ1 ZHYBK FOUBO CUKBK MORAM MORAM ORNEL EKAER 6RNP
 ECPZU YLCHZ ZNFNR AMORA MORAM AHWHK UEKIE EKGRK K1EYA
 PNRPN RKBC BOLEB IOUKI KH8BA KUKU UYZCA ZKZKJ ZK0Z ZYCH2
 IAXTE GEUTJ BEKGD KYKKU KUKU YKJGE YKJGE LEOP MPPY KEYLE
 KAEKA KKGMD ECUEC UE8UE YTMW BEENE AEAEP EPEOG YTMW
 MAYPO ODNOM KVCYV YXOE NHOKA ENQWZ DHNOV H00CK HGHG
 KGE6Y SYJYS SEGME NHENH LEIYI UXXHA LOXAL BH4H EWBVL
 Z1XTU YAGZ1 AEBPI VUJXK AMLLB IVELZ IASH WGIGX FGIAG
 IYELU BOYX SKXKH CHXKH XAXXP HAXHY HAXHY L4HNT EASAJ EUY1L
 YFILA ETYSW CPYJA MXHLJ EDHYK SLEKY EYECV MLCVM LCYLE
 IL01J BT1JB ANDR BDPAQ YZMNP WMDRY JXWDR JOMME JXD0M
 WMDR NYMNR KFRDK BKPFA OMONT OMBTN G1NNK JHMF4 BWJLE
 QNGDH E1J0A KAPXK AJUAK ETWIA YMMAX AAEJAI KJAEA MZYAA
 JENKA 1IF0A JAPXK AJUAK E1WIA YMMAX AAEJAI KJAEA MZYAA
 RMGRU DRUPD PHUDR PAXWR UN0H2 FZDME JYAKK PHEO EYEYE
 AMODH DAPYA RUDYH OVAJY AOYAK YRANK MEPMZ EJEJF
 Y00ZD DUJXK OLQMG EGMZB KOYIO JMKK6 MEPMZ EJEJF
 AKGAE GAABA HHGOF ODAJA KOJUK YELUK CYPNT IY0Y OAHNM
 OHNPJ IOI8H AOYKA H0YOB HB1YA ECUV EYENZ IBJKB BHBPB
 AKYTK 1IKUY HISAA HFSCA S6TYU SPRCK AH1UA DKOGT 6TBUP
 DKAMP AEUUD O0YMO LNVOL NM0LN NM0MO MOYMO KNSH

NORMAL

LIST 3:

T110/ 2M.1A U7UJ2 ,HD02 00A0? ,11.0 QVYAY 0PYPC A6PY Y
 ADPOY ADAY ADDOY T1YAD UYAD8 YVADF QYWD3 QOVIF FO-AF
 D-/F1 -7F-5- TF8-E FW-0F E-3FX -6/WF H/PCT 5E1EO -.RHC
 60P-H 8YQ18 Q3GOY YFHT9 -85YB 1803G QYYR DI-C 60U.C
 7ZEOU MHCHW 000FA -PHTQ PDDAY ,1A2Y HGA0A YI-RZ 0A1BF
 CE6HU GTHK1 YLRP6 BP-5A 3.6B. 9BJPP 9AFUL P97HP 97HC9
 7HH97 H27HG 7H4E7 HE7H1 6E21. A1EEY CEH-E HELEE4 KE/PE
 W1E-U ,EK.2 GE3X6 KE/KP 6GA04 E436E 16E2A EPEVE 4ED36
 E16E2 AE74H YEXH6 VGGED AK8EK PG/EK EYEBP P56PH HHJTT
 HDJK6 KNPR4 TED2P RDXO LG45M KRAKE 2DL2D 1T2TD LYDZ0
 POE7K PEMPE MGNEM KNELK REMXE MJKEW JKE-M RKRRT UUALY
 GUKLY IUKLY KULY KUJLY -UYLY 0U/LY 0U/LY 8T-UM LTRKX.
 0S2M? 0NY0M 0KYBL Y9J2K SHUKR KRWKJ 0-AWY J2JKA HUKRK
 RMKE0 JM70K 1YKY L2KX0 H?OM4 KROM4 DL2A0 EUPKO
 MAZCK H2MV3 2MXHR 2HSE? YEWLS EPNM? XRYHW PYRRR SYAWE
 HPFKK E3PKX ZP5XK ZK3XK ZM1XA EXKZV AKZK KZAMK YZEYM
 E088M W7K8M W738W 78JW7 V8JW7 8AW70 8-W76 8YW76 YBPWO
 ?0T1U ?-ZJJP P009Y DW7NJ 61P7M EYMEA A0?/7 JJGNP 7NEYM
 EAXOJ ZEO7 0YXR 0?OM? ,ZJPP 001Z, ZMBHW RBOU8 PNEZL
 GMPYV HRK0A L-MER K0K1? 9KX1U PPOA- -9K07 EKEEE 9NMLK
 I0PLY 0W-PL ?0DPE ?0D01 ?0DPA ??BX? UD-.?0 DUC?0 DMA?9
 DW9AX 0K04 4AE04 PE14B EY4ZE Y4UEM AE041 E4JEL C1EEA
 Y95- F-1U2 PCYN9 HE1U6 C32EA W9AXC CME0? ,E0Z6 C1EEA
 W9AXC C19UD X9CEE YN90- EY79Z -1J2P EY31A 4KEDE 76PPK
 DB1XB LZ1P9 800YC KZKOY MIY-N M.-37 APYC/ VNM-P E0XOM
 XUN1. UWMRP PWJE, /PW?, HP?, H Y0?, H PN?-D -?HY ?-HFF
 ? ,HPB JH/NB -Y2OY JUC-X YJP-X RJDMX 8JD-X 8JF-X JC-XF
 J3XY JU-XX JA-X. A-1HG RAMA3 NK-XA FUFHQ WB/NB -GFPM
 P-1XF DUFHQ WB/NB -GF?F H?FWX A3NP/ XA-D1 HURAM A1H1H
 CJM-X HMPM HR-73W DRANA 9V,JG ?-D-V ,JPHE 3AY/H BAJG.
 .3PY 0X0- /-73H YGP0P AK1Y, P-IMP -1MA6 -1MA3 -/A-1
 ME-1M EE-1M A-M,3 JR,JJ JGY?A JAY?E JAY?6 JAY?4 JAY?2
 JGY?0 JY179 JGY?2 ?JBY? MSSYS YAPLB ZM13M YAPFB ZMRPA
 KEA22 3?EAB EK4.3 KE-5E M75E? ?M132 Y-MSH YAPFB ZMRPA
 PGJFY -KZOP AAMI- A/HB3 SN.1Z K-H.1 ZPMKY IB9YP ODBZK
 TIP9P ?91.1 K9K-P 0PP.0 18TF. 1ZP01 ZM1ZB H.N.1 ZM1ZU
 1ZCHL Z11H. Z1ZUW K9?MU B9?MU N9?UW 9?SUU 9?RUL 9?PUR
 9?NUL 9?Q-0 AYET? 170XV DA01P 9?3U6 2SYH1 IH-OC
 RY1?U 6SYH1 IH-0E UZ-E, ?A0IR JAYEM 70EVD AE00K UP9M,
 2P8BZ 90/NY MODI

LIST 4:

NORMAL

YKQCT BTGPA D3UCV Y3PYR . 1P-M CPCAC 1YHNI 1PULY 11MUL
Y11KU LY11H UL1Y11 DULY1 1BULY 11AUL Y11MP CGY11 PCG11
IKOXY 11MXX Y1Y91 1DXX 11HXX Y1Y91 11XX 11XX 11XX 11XX
SF0-3 1KY40 . 31UY UOU.F . ETD. GF1A FH-YF 1.FY. EF.E
F5-OF M-NF8 .FX-F. FE.MC AETCA GYCA1 YCAY1 CAY1D MBCE
KMHJD EKHG G1V2. 91PJ2 YHPG G6S1H 7K4H PFWA HPFE
AHNMV EAHK WEAHN FWEAH DFWEA HBFWE ZHAFF KEAHF FKEAH
MFEZA HFF7E 0JEAH HF7EA HKF7E 1HPYH E66H YHT6 JTEY
IH0J3 6.1HF 9168E JUETH EHEGO TE12E BXEGM E.E73 E45E-
EEMAY 5GMJG JGHJG FJG0J HHADP KKVAY EKXKV PMRKK R-RYR
PZRRK P08KP LECRK E0M0K A/KKP /KKP/ KKK/K KK/KK H/KKD
/KHHK BEOKH AEOCK PETKK FET3K ZKKKE 7KKRJJ 0JJKH
MMJKE 05ALE VAL2R KYNJY L2RKN E4L2L UAL27 UKL2X UKL2K
UUL2U HL2QU AL2-0 4L2ZU JL21U YL21U YL21U /L2U/ L28TE
K0Z2K CYZKZ KZK0Z K0Z0M MBH0O -BZVK V.PKZ EVOOE EPPPO
0WGEK OPO8S YASTP STYSP MSTRS YH5YO DY8YP -A-9L M-P-E
AOUDY YMUZU WOYWK K8MWK E43UY 9WRES 3UJ4M R8WMY R8WMY
-8WRK K8WR 8MWR6 8SMR8 JMRJ4 WR18A WR08J MR18Y WRY8,
WREGG .0G90 G0G00 G9UZK YC1DY YMYTP ODM.Y 00XNL WPIV8
P2HYP /LMB7 9PEKH DIACK BBAIA CKBP1 ACKBP IACKB
MIACK BK1AC 9BHNY ACKBD YACKB AYCKB BYC1Y CKBPY CKBPY
CWMBE GBEE9 AFDOB 998Y9 AAEK8 MIF9E WB11W 9JEAP E0APE
/4BRO AMEY4 UEUAT E-4AE H4ZEA AE94U EH4JE E4IEH XY11I
YLN1Y LB1YL 11Y1I F0HMY AFCHN E6P8E P-H4Y AYP-L W/PYR
LDPRO A0Y0W /D3AM ODH1F ODH1F ODH1F ODH1F ODH1F ODH1F
LDOBF NDOKE MFOOD EMOFD BEYFO DDEYF 5R0D PEFYO DAEYF
/DPUL DKKN8 HLDLY N-7YJ C-X/D AGEN. X/D19 ANU.X -JA-X
JP.X YJD.X YJAX 7F.X 8J-XJ X-PJD X-ACJ XNFP XN1U
XKJ3. X070A M3RAM 3RAMD RAVIR A4SRI OPEME MOKAP AMIM
CE.AA GFWA PEMPA O/A- 582.A AKKE. AHICE. ADHC E-ABH
EME.A AKTE. ABKTE .AAZK AM3SM XA85W 31Y-8 AC6U3
LY-2A 6J3F Y-YJC Y-TJA Y-JJA Y-AJB Y-JY- 6JRY- 2UBY-
0JAY- J6Y-1 J6Y-U J6Y-J Y-1Y- 0M/1M /1M/2A M/HM/ ESMEP
KAUES SASUP 1Z1MA ZR-K. IP00N PVKAB 9Y1NE DINNM G1NKM
G1NMM G1NDM G1NBM G1NAM G1NPM G1NKP G1NKH INHEI NKEOY
INBEI INDEI C-NAC INH2 INH3 INH4 INH5 INH6 INH7 INH8
UF95U 89UUN 9MU9V 9RU9U 9RU9U 9RU9U 9RU9U 9RU9U
9AYRO AYQOA YNOAY MOAYO IZAKK

PUNCTUATION AND NUMERALS OMITTED

YKQCT BTGPA DUCVY PYPFM CPCAY HHPLU YMULY KULYH UL1YU
LYBUL YALUY NMPCG YPCGY K0XYM CXYXY D0XYH CXYFH BFGD
U0STF OKX0U YU0UF EF0GF AFHYF IFHYF IEF0F WMFX FFEMC
AEYCA YCAYC AUYCA YDMBC GEMK FDKPM 1G61V 1P-JYH P4G61
MKPAM PFWME HPFME AHMFM EAHKF WEAHN FWEAH DFWEA HBFWE
HAAFK EAHFP KEAHM FEAHF FEJEA HHEEA HKFEI HPHHE EHYH
YJTEY IH0J1 HFFEU UEHLE HCEOE EX0GM EESE EEMAY GWJGJ
GHJGF JGJHM ADFKK VAJKE HKVFM RKRKR YRFRZ KPEKP LEGRK
EMKAK KPKMK KKKKK KKKKK KKKKK KKKKK KKKKK KKKKK KKKKK
KKKKK KKKKK KKKKK KKKKK KKKKK KKKKK KKKKK KKKKK KKKKK
LKXKL G0BLU HL0UL UL2UJ LIUYL HU1LI ULULB EK0ZK CYZKZ
KZK0Z K0Z0M MBH0O BZVKV PPKZM P0E0U QY0YU ZU0Y WKKKM
YPSYP SYSSY KSHYS Y0DY8 YPALV PE00U QY0YU ZU0Y WKKKM
REAYR WRESU YJRMV MWRMV WRKKR WRKKR RSRWJ WRJWR AMROU
WRYWR YMKRE G0G0G 0G50G UZKUY YDYVM YYP0D WY0XM LMP1V
BPHYP LMBRE K0B1A CKBBI ACKBA IACKB PIACK BPIAC KBM1A
CKBK1 ACBHH YACKB DYACK BAYCK BAYCK WCKBP YCKBP YCMBM
EG8EE AF0GB BVAEM BM1FE WB11J EFERP EBEOM EYUEU TEAEH
ZEAEU EHJEE IEHAY LI1YL NY1LB YL11Y YL1FD HMYAF EHAEP
EPHYA YPLUP RLDPY OAYWD AMODH FODDF ODEFO DAFOD PFODP
FODMF NDOKE MFODH EMOFD BEYFO DDEYF RFODP EYFOD AEYFD
PMLDK KNNHL DYLYN JCXDA GEND G0XKJ AXJYX YJDXJ JAKJF
XJXJX PJXJX CXNJF XMJUX XJX0A WRJWR AMDRA WRJWR HOPEM
EMOKP MP1ME MJPWV APEMP A0ABZ AKICE AHDCE ADHCE ABHCE
AAHCE APHCE APHCE AEMKA EAKKA EAKKE EAKKE EAKKE EAKKE
AZXAM SXKAM IYJGJ ACULY AHJYF YJDTY JATJY AYJAB YJYK
YJBYJ AYJGJ JETUY GYJYJ EOMIM IMHMM MESME PKXUE SASUP
Z1MAZ RK1FO NPVKA YINED INMMG INMMG INMMG INMMG INMMG
INMMG INMMG ANKPC INMCI NHEIN KE0YI NBEIN DE1NG NAC1H
IZNEI 0UKIN GIWIN MJIEU FUBUL NMLVU SUVRU 0UKUL A0UFU
LCURK AYROA YGOAY NOAYM 0AYO1 ZKAK

LIST 5:

NORMAL

PKLEB PPFLL EBFHD LEB?P NOBUH FBEFG AFBNP KAGBI PNCBT
 PTIDC BYVJA DCBIP CLPPI MAQJA KAYCM ACAAF FAJDM -AAGB
 AFARY CRKPA 4PNY GYCUU DPFFE PPIJG PPEZP R9LBP
 PCGCS HAPUE AHPH MAKA2 3PNF PFGPP GGFPP PF31P P8PPY
 Y0P6 P1TT, E4ZPP U8-3P JT-Y9 2APPP AYNEP P156P P8PPY
 T0MPY WDAPE WDKPI W4D-P IEJDF PEJDM PKNDP PVNKH DQF3F
 D5P IH FDEPU MHFDR P9NPP A6AGM FEASN UHA56 ASNLK
 B5EG0 MPELU S2KAT 5G3IK EGGPH HPPPP PHAKP PFD5N WJDFP
 HFPIK OBFYK KNGOP PZBMW 0-PPI 1-P4P FEKK0 QPPPH HPPPO
 PPEAK YFP 15 IWJDP PFM41 KOPZ3 YANJG PZBEM K8WPP IPP4F
 PEK00 PPAAB PUSAM LAMJA PUJAP LVGSA PFI3V FA4F1
 EAPKH MEAKP FPMEA PPE5B MUPY ZK8DE CBUSE IFYK0 ECBBE
 IWEAD GKXPP 0RDS1 ROBEE KSH5A OXAKK PMPPP VQ9P9 PFPMP
 E1JAP GPCF3 P09M 36EPP PA4P PASYP P5PPA ZFAYM YPPSP
 PYPYP KECP8 HVE1J APPOE J3-0N 9M36A PPA4 PPA5 HINP
 PMVOP 9PP8 0NDP8 1-0NP PZ-0N YPMWZ ZNSP8 ZFAYM YPPSP
 P8H-0 NJF0N 3PMVZ PNEAZ NOPS PYPYM GPAOH G6DHE M7GVD
 H8HY0 0P0HE 3X00 Y0VP0 ZPPE PBYB P8PM A-ZNP P9PBM
 IPASN AKKPP H8ABS PPN1 9PPI PZ-0 NPPP0 UPPIJ PFCMM
 P3PMY UAYUP 9UJJI CTPAS AIUPH I1AGS PPT9 PPTPP UY-2A
 PAYO1 HP41Y 01PPO DY017 P3D11 P4D18 PYO11 P940Y 01AP6
 Y1TPY UDY1Y PUCDY IYPEY PKK11 9ALAC IYHKY L14KH UPHEL
 I9KH 4KJCY PAEOK U0YH 3YJ9J AGY-P 0DPPH KP8BA DPQZ
 NYD1P PNYPZ 01PNI 3BOYM PPOCO ITPP3 IPP3P PY1P1 P9PQF
 PFPZP PGGZU 0P0P7 T6P5P P8URF 5PT08 88PPR 0C0T1 P5PNP
 PPGP8 T85BP S99HK P3H9P P8HYE 99HEP HHAH IPJAH 6P-E9
 HPPPS 9E5BP EH5BP FHEHF P8FHE HJF9P P00QN C-W8F RAOME
 W0JK0 8POX0 W8NK0 YJW0Z F08BM YMH- 1070A JNUKM FAYPE
 HPPPP PH10 APPP4 PPHPP FLG6P P1EP6 P54E EEP55 L666P
 PAFK3 PPK3P PKPKY 45EDP TKMJP MKBJJ KAKPY 0PKHF JKQPY
 MNMKP PTNMK K8PYK KP4MK KKP4M KKP4M P-E43 F7Y3M EPK74
 JK084 AE30F 43M05 9J0E MFDZJ P2AE-0M12 GAGME PMMPF
 PCP3A GAKPP HPOHK PPAKP 0NPHH 0HNNB PFOKO ALPPO MLPPP
 PPMMA PNPPP S3PPP IPFEW HKPUP V00UU JFPEJ EWUFW K1PPP
 JOKIP POSIP PVPVP SEVHP SPFUU 5DPZ2 5TP99 05MPU 57P9U
 IUPP1 UZP95 P8SZP JZ2P0 PFIKJ 19YHJ 0AKPY JUP9D JBK79
 29Q5P PNP41 PKM60 13PPE MJEPX PP9UW PF2PP 0U03P PPI1P
 P8PPP PVP8P P5Y-0 78JPP JU/Y77 PJSOY 0PPYA JYVRP P-TQ
 PYP, T0-K

PUNCTUATION AND NUMERALS OMITTED

PKLEB PPFLL EBFHD LEB?P NOBUH FBEFG AFBNP KAGBI PNCBT
 TIDCB YPJAD CBLPO LPPMA 0JAKA YCNAC FBPPK AGBIP NCBTP
 RYCPK HAMAY CANAI GYCUU DPFFE PPIJG PPEZP R9LBP
 UCAIH PPMMA KPNNP PPGYP GGFPP P8PPY PITEZ PUEUR
 JTYPP JAAVE PLPPP WNDAP EMDKP IHWDP EJDVP EJDVP
 KNDPP VNK4D 0FDP HFDEF UNHFD RPAHF A6AGM JGAF EAMUH
 AANLE BEGMP IETSK AGKGG GPHHF AKPPP DNWJD PPHF
 IKOPB FYKNG 0PZB MNGPP P8PPK KROPP F8PPA SAMPR
 IWJDP PFIKO PZAN GJPPZ BNMWP P8PPK KROPP F8PPA SAMPR
 MFLA MJAFU JAPLV SAPPY VFAH1 EAPKH MEAKP F8PPA SAMPR
 MKLPP ZK8DE CBUSE PPKCA PPHVE JAPPO EPPDM EPPA P8APY
 KKKPP MPPPY PPKCA PPHVE JAPPO EPPDM EPPA P8APY
 MWDP PMPMP PPKCA PPHVE JAPPO EPPDM EPPA P8APY
 SPMPV OPPPN DRNP PZNPY W6PAU HG8DH NYOPO H8AO Y0VPZ
 VMZNP EAZNO P8PPY W6PAU HG8DH NYOPO H8AO Y0VPZ
 P8PPY P8YBP PMAZN PPHB IPASN AKKPP H8ABS PPN1 P1PZ
 NPPPU PYPJP P8WMP PMYUA YUPPU JICTP ASAIU PYTIPY EOKUP
 PPTPP UYAPY OHPOY PPODY GPDIP DPYOP POYOA PYTIPY EOKUP
 UCDYY PEYPP KHAL ACIYH KYLIH KUPHE L1HKH JCYP A EOKUP
 VINYJ JACYP YIPPP P8PPK DPQZ NYDPP NYDPP NYDPP NYDPP
 GCITP P8PPY YIPPP P8PPK DPQZ NYDPP NYDPP NYDPP NYDPP
 R8GCT LPPNP P8PPK DPQZ NYDPP NYDPP NYDPP NYDPP
 P8E8H P8PPK DPQZ NYDPP NYDPP NYDPP NYDPP
 AP1AP P8PPK DPQZ NYDPP NYDPP NYDPP NYDPP
 NMYJM ZFABM YMPQA FHEHJ P8PPK DPQZ NYDPP NYDPP NYDPP
 P8PPK DPQZ NYDPP NYDPP NYDPP NYDPP
 PPTNM MKBPY K8PMK K2PMP K2PMP K2PMP K2PMP
 0EMPD ZJPAE 0MZZO AEMEP M8P5P 0PPAQ AKPPH P8PPK
 NPH0G HNNBP POKOH LPPOM LPPPP PPMAP P8PPK
 KPUPV OKUJL PPEJE JIPOP 01JPP 01JPP 01JPP 01JPP
 HUDDP ZFZPM UPUUP PUZP5 P8SZP JZ2P0 PFIKJ YHJQA KPYJ
 PDJ8K YJ1PD UPIAH ZFOGK ADAGC AMFZZ P8PPK P8PPK
 NPMKM 0PEPM JEPX PUPPP PUPPP PUPPP PUPPP
 UYPS 0Y0PP YAUJV RPPTQ P8PPK TUK

LIST 6:

NORMAL

C1960 -CED- NBHIN BMNLM JNBWN LMANB MASCA SMNLM INSHA
 SMNHD Q/PPD GNCUM PC80Y 1/7AP AKKOP A-AF6 -FA03 PA-AA0
 3A03C MJU-Y MAU-Y M3UYU MUU7Y MKU8U YC007 N7B0K WPFU9
 AHDHP H41E1 ?E214 BE?E9 F5CAF HHD70 M-YJU M-YAU MYHHP
 M7YU MPUY3 F-P7A HY?-? 7YPA7 PAMPY YEPAY TNEY7 ABH3P
 3-7FH N4O/F KH/1D 0J1DP 12P13 6GAPF 6EJH, E8VB, 04PB/, 8VB4
 1ID0M 1SP1K H161, 2P1H3 GGAUF YJASF 1JALF AJA7F JAAMP -16EM
 HPB/, B4HB4 HGAUF YJASF 1JALF AJA7F JAAMP E8VB, 04PB/, 8VB4
 PAEGK H1P5S OYJAU 0A7UD AJ6KX 2UUEY E8VB, 04PB/, 8VB4
 FAIJS FAUJ1 FAF7F APF7HJ 1T2-0 E7Y, ? 7B8JP PJPJ5 MPOJ7
 KJENA KP011 YKK1J EYMKY AEHNA APAPD AAPAD PAADP 3EP3E
 PAFPA AEP3E PAMKR RTTRAK K1K8B AEUZK K1ULP DYPJP DYDDJ
 YUJY OPDYJ DJODJ OKBFC 2B112 BQWZB 0ZB8P ZKPMa OUKP0
 BUK5C MKR40 TE8JN 7-N-0 7ANJY -V773 U7GUD L7JEL 7MKX8
 EZF81 Z1BMZ 0B0ZB P0ZRS 5R59K -8Y1? PBZ2P BP2PZ UPEBYZ
 82MXZ 0J1M0 P0Q0E 0JAJM JAJMJ NNNKN NAN+A ANNAN +AANN
 HAHJA HAN+A MNNKA HANPM YBM-0 OVB7M 38HMP HEAPR HJ9HA
 9JAH4 9PHJ9 HAH9A 9UESW 3SA6S A0S:P SP5OP ZYV,7 MPFD8
 VEGPM B0SK6 U3T30 3UTY? 1BET8 HWE18 KWERP 75MES A3SA6
 S,0SP 591EY N673? VPAPF PUGJP 7A70H JPC06 4M+A BNUZU
 ABPU3 1MU31 B3YBE 1B3YB C31MC PACPB 3YB03 1MC8B 3PFO9
 OLVPD /6Y-H DYEA1 B1A0P KMPMK UKMNU KNNPK UKNNK YTHUJ
 1H1H1 H1C1H ,1T1H A1011 YAT3T EAA0H 4.L.PP ODENU FHO3H
 Y9050 FE-8? 0G4Q5 AKKQ4 MKP? EHU1U 1H1H1 H1C1H 1T1H
 JUTIM 1UV7J 1CYUE 17YPI N1P1B 1P1JK PIZ1? 1B179 KUDEP
 JUTIM D3FGM PGNHA FHHDH 9D5NH DH9DF HNZ22 0MF20 DH9DF
 HHAFC 0DHAP YNXX- HPYAY OHEWB R0R1S .PMA BPMGM P3G6M
 B1PMG MB1MB 1A081 GROP1 ROY1G ROT15 ROB1P 1AABH E53MB
 SPKJY WAPYH MSATE 0,E07 ,0EW4 7,6J7 JM-74 JA-7A P-0GR
 810RP 10GRY 105RT 10P11 RYH7, EJA77 7XR77 701RP H0KRP
 ZVP0R 70R-F AMPYA 651PA HEHLR HALOK BOKHO HOKHO HOKHO
 0G0H0 OHOK0 A0J3J? KAJYM EEKKA EJK7P P6CPR LLPA1
 LAPAP PLLPA PAMEA HKEZH KE9KH ESHEE DH0HM DPX0E D0MJE
 07BAJ K2TBE U9TU9 ESTJ9 U2S7T J7SJP 77JUB 77BAE K4HEK
 2HEK9 HEESH EPH4A MXZNE EE7E7 PAHP4 HPD.P 4174H 5BE8Z
 P9K6A ANOUP XA0BX 959K9 KJ9K9 KJ9HJ 49A94 9K9K5 9J49K
 90B21 Z-0MB U9AMK MYHON WUM9P PKGIP PMAWJ 0XCP, .PFXW
 P1NP1 NAKJM VOKGM OOKNM UOKHM 0790Y P1MOAH 0790Y HHPPU
 MOYDB ZMSWB N57NK E5JNB YR175 Y7-7U P9-AU 9-DBY 0KVOJ
 MKO09 MKOON MKP0N Q2U00 7D3XW 7W7VP JKOPJ KOP0A
 YPJRO 7J00Y EDU00

PUNCTUATION AND NUMERALS OMITTED

CCEDN BH1NB MNLMJ NBXNL MANBM ASCAS MNLMI NBHAS MNHDO
 PPEDN CUMPC OYFAP AVKOP AAFFA 0PA0A AOCMJ UYMUJ MYUYM
 UUYMK UUYCK ONOKP FUAND PHIEE ZEEFF AFHND OMVJU MYUMY
 YUMYU UMPYU FPAAY YPAAY AMVYU EPAY4 EYAHJ PFHNO FKHD0
 DPW2Z DPWMP DZMTF M1PAP DOWLP K111P H1GGA PEFJH ESPBO
 P8B8B P8B8B HGAUF YJASF 1JALF AJA7F JAAMP JUF AI JSFAA
 K111P SOYJA UOAND AJKKU YPBJM PJPJM POKJ ENKPI LYKKJ EYMKY
 J1FAU FAP7H J1T0E YPBJM PJPJM POKJ ENKPI LYKKJ EYMKY
 AEHNA APAPD AAPAD PAADP EPE7A PHAEF PEFAM KRTR AKXIK
 KBAEU KZK1U LPDY7 JPDY7 DUYJ DUYJ DUYJ Y7DJO DUK0K FEZBI
 ZB0M2 B0ZBZ ZKPMa 0UKP4 OKCKM YIPBD ZP8PZ PZUPB Y2BMZ
 XMKBE 0E0Z1 BMZ09 0UKP4 ZRSR7 R1TEJ NNANJ UVU5U DLUEL
 XJMPG 0E0UJ AJMJJ AMJNN KNNNA NAANN ANAAN NHAAJ AHANA
 MNNKA HANPM YBM0G VBMMW EGPMB PHEAA PHJJA JAHPF HJAHJ A0ESM
 SASAO SPSPS 0PZYN MPPOV EGPMB OKUTO UY1ET HWE1K WEPFM
 ESASA SOSPS IETYN PAPAP JGPJA OHJPD MABNU ZUABP MPKUK
 BBYBC MCPAC PBYBU MCPSP POOLV DPHYD YEALB 1YATE A4HLP
 MNUMK NPKUK NKNYH UIU1H H1H1 CH1T IHAIL 1YATE A4HLP
 PODEM UFH0H YOHFE 00XKA 0MXLP EHU1U 1H1H1 H1C1H 1T1P
 IN1OU VJCYU E1YPI 1P1JK PIZ1I B1KUP EPJUT 1MDFG
 MPGHM AFHND HDHND HDHFN ZFMFD HDHFN AFDDA PYNXX HPYAY
 OHEWM RDRJE PMUAB PMGMP GPMBP MGMBN BAOGR OPPOY GROTR
 DBPRA BHEWM B8PKJ YWAPY HMAS E0E0E WJMJJ AAP0P AROPL
 GRAYO TOPRY HEJAF XRP0R P0D0R 00P00 HOHOK B00HO BAJJK AJYHE
 PHALO KBOKH OHOKH 00XKA 0MXLP EHU1U 1H1H1 H1C1H 1T1P
 EKKA EKKYR GCPPL LPAIL APAPR LPAAP AMEKK EYKH KEHEE
 DHKMD EHEED MAJBA JKZT8 EUTHE EUTHE TJUST JSJY7 JJB7B AEKHE
 KHEKH EEHEP HAJME ZNEEE EUPHJ PDP1P BEBZP KEAAN OUPXA
 O0XSK KJJKJ HJAJK KSJKD BZ1ZM BUAMK MYHON WUM9P KG1P
 XAPCG XCPIN PFXWP 1N1P1 AKJMV OKQMO UKNMO OKEWU OKMP
 MOAHU YHHPY UMOYD BZMWN NXEJN YR1YU TUPAD DBYKU OJMKO
 O0M0U OMMK0 0EMKP MNOZU ODXMW VPJKO PJKOP 0A7P7 ROJ00
 YEDUD NBVU

NORMAL

PUNCTUATION AND NUMERALS OMITTED

LIST 7:

U0CM HCAEY DED1D ENB0H DHD91 9NB0C MGB0C 0UGB0 AD/? ?
YADY -YVD/ FJEEA B,YCM GAYG JFPFJ 3,ELP NPLPN LIANI
6NTYE IUR,Y UFTYC 3KHEE EFZEE MYAEY EFDAE YEDMD CAEFD
DAEYF HGPC1 N80C? AMHCP FPMGAE YOHJH D80Y 2D9AM
YPHYV D1PPP P807D UEUD0 XDUFY YREED U6KHJ YCPDC ABOKU
*0CA6 YC0PY GAK?W J5A0B A3H0A 36EPA KHI16 E6AKD 9G,6K
5D9CA Y1-JG A8T/J 9A/EJ JGAK? JOKU, EPUH? KH232
323A1 1Y1U1 9KH7E Y7E7E GHMP UAX0D UFA75 WJUEH 5WJAA
HFUEH H5HJ0B P42GB 3B16E G?PFG P?PPP WEARK JE3UZ A6EAE
9HPJA P5E4H W3PPE P6EAF MF AK4 -AFEW JMAB4 MFGJG PH2GS
9D06E GJGK0 EKBME C/ZEN -PRMK 81UK0 KHAUK K60KH TOEHS
A5/ZG 45VZN IUGZ CJSFZ KB0CA ZFUGI UPLG0 SRRIR MRH?A
A8H8H KKKU9L EUOL0 KRPF6 78ECC EC/ZH BKEC8
UKLKE C7ZS 0?RKH AUKA? B?K6P P?PPP UB0CM ZHED UKMK6
M5CPZ B0M0K HPPPP UKU0U JFZU U04JP 0PZK? MKKCE HY2KK
CYZKU PM0G, 12SE UM98B LPLNT MOYK5 05YJK 5K5E,
K5SEJ 3538F LGJ69 Y4G9Y L38PW L9ECQ PO-KN 6M6KV C0BWA
08,WA 02P04 570W5 XG,48 MG,05 MG4RW WMG,2 IOA01 PIN7M
0?A00 P?PPP 06YGA ZPKA5 7MAUZ EGAD0 JYAM9 P?PPP 7M,5S
G55A Y55Y0 YG5YJ APO00 FZLUG K5AYR M0G90 0UYH PYL11
H,RXF PJ6EA EDPW2 W3EAY F9AME OCUT1 0TUUI 114EX
HLUUI YHALB IAX14 PXNUF BV6V2 V9/03 UUYLF B,4?, 4T?YO
9AEJ- 9P501 H?L11 J4P1P ICHPY LJ4PP L1IR1 EYV02 03EAY
?1BEY P?PPP F4HAL 812ME AC80D LB1HE JEC?2 P?PPP AT1K1
LJIEP LJKJ1 AEPIY PDXYL MEN9E AYLNI YPFGA 0AEW3 R0KJ-
PJWBH JAP0H WBAOM PAUNM 0PYJG TRYJ1 GRGJR JU-PW F7RAO
MWRYM -RUP, -1TED *0,0N *K,0T FB8WE DTJL- 7TJ5, ?AY4B
MJJ02 1030W 3R3J1 0W3RK JOFEM JJP-P 0W3RH M8,A4 04H4W
A98DM APP?P P03JM WRH0A 5JKBG F6HWD RKMZK M5,A0 P?PWB
5JIV1 J1BUJ 1K0RZ VZJUB B0R0A PH-AW 0PANX BAWR A0K0M
EBK?1 02VJS AUZJ1 NA,4, 0MEAP M73AO PAJLL AUKL6 JEJ8/
0?ELM EAE1E A/EJP Y/AY 4T101 0E2D4 ASJWY -5JEY -MUSD
ZUZY5 PJTHE -0/1U JAO?1 MJEAK /UJAY AO/IV MZMJ4 JOM?4
JZMPP P?PPP EA/HP 4BJKE M0/HM ZDKAE 4P?PP EJ,H H JAGJH
P,JFD ZHWM M?OPC 3-M?1 MHPVA KDYRO 9BR,2 *1BF9 YHZ1B
Y5Y9Y HAKCA BAIC9 OX0MZ V0X0Z WU4Y0 YUOWU AKCYG
OKCYU UP5YN 0YN09 0S0A, 19W50 AS,YN EU9EU U9AZ1 HFZ7E
0J5MK 9YR0F UB9YR OAZKB Y?UB9 B9YR0 -U10A ASA9Y HA?JK
ZPPC0 P0UKC YC00S JZYHO Z0YKO PALC08 SP?PP YHUZM YMZ1L
AMC00 1Y1ZE 1H00A PZ,AY 9ABG1 HAYG0 A

UCMHC AEYDE DDENO HDHDI N0CM5 BUC0N GBOAD YAUYY YDFJ-
EAYCM GAYGJ P?JEP N?LPN LIANI NTYEU FYUFY UAKED EPZEC
MYAEY EFDAE YEDMD CAEFD DAEYF HGPC1 N0CM5 UOAKD HCPED PPFPH
GAEY0 IHJDO YYDAM YPHFY D1PPP PC0UE UD0KJ UFPYR ER0UG
KHPLY PC0AB 0K0GC AYCGP YGAKF WJAAA KHUET KHEG AKD0G
DCAYT JCATJ AEJUC TJGAK JJCUC EPUHT KHAYU KHEYE G1HMF
UAXDU FAKJ1 CHWJA ARUE HHWJF GBBEG PPGPP PPEPA KKEJC
ZBAE 0H?JA PEAPH P?PPE AF?AJ AFEJW AMPJG PHGDU EGJGJ
EKRE CZENP RMKIU KKH0A KKB0H KTUEH GAZGY ZNIUU GZCJY
ZKBOC AZF0G IUGL6 UKRIR HRHAA HUKK0 LEUOL EXRPP PABEE
CZUKE C2H8K ECUKL KECZP SJRKH AUKK0 K?PPP P?PUB 0CMZP
HEDUK MKMCP ZBMK0 HPPPP UKU0U JFZU0 0J?PZ KPMRK CERYH
KCYZK YPMOP GEUUM MOBML PLNMU YK0Y KKEKS E?LFG JE0YJ
EYLPW LECQ? UKNMK VCUWK 0K0P 00SKG NG0WG MWMGI 0A0IF
INMOA 0UPPP P?PGA ZPKAM AUZEG ADOJY AMPPP P?MSG SAYSY
YGYJA P00PZ E0GKA YRM0G 0UYHP YL1IH ALBIA X1PAN UFBVA
HAMEY EAMEO CUTIO TUUI1 IEXHL UUIYH ALBIA X1PAN UFBVA
VOUY LFTY 0BAEJ PUHL1 ILJPL IIEHP YLJPP PEATI K1IJJ
AYIBE YP?PP PPHAL BIMEA CUDLB IHEJE Y?P?P PEATI K1IJJ
EPIJK JJAEP IY?DX YLMEM EAYLN IYYPG AOAEW RKJPJ WBMJ
PQHUB A0HFA UNMPP JGRYJ GRGJR JUPWF RACMW RYMRJ PADM
BAQDM APPPP P?JOMW RHQAJ WBGFH WDRKM ZKGF0 P?PFP BJVJE
UJKRZ VZJUB BMRAP HAWPA NABAW RAEKM EBK10 VJASU YZJN1
0MEAP NA0FA JLLAJ KLJ0E ELMEJ IEAEJ PYAAY TOL0E DAJM1
JEYMJ SDZUJ YPJTH E0IUJ A0IMJ EAKUJ AYA01 VNZMJ JOMH2
MPPPP P?JEA HFBJK EMHWZ DKAEH P?PEJ HHJAG JHPJF DZMP
MMOPC MIMPP VAKDY R0BRZ I8FYH ZBYSY YHAKC AALCA MZM0
0MZ0 X0ZMU Y0U0U W0AKC YW0K0 YWUYP NOYNS A8GGA SYNEL
EUUAZ INFZE JMKYR 0FUBJ R0AZK BYFUB BYROU IAA5A YHAJ
APPY1 PEUKY 00SJZ YH0Z0 YK0PA C0BSP P?PYH UZMYM ZILZ1
C01PY ZIKHO APZAY AGIHA YK0A

LIST 8:

NORMAL

UMAMU ,SUDO AUFLB P-A18 E04-A 5MKCV ALJAC A6BK9 2AJ0-
 AUZP2 EAS9P MB-7E YVCAL YC70Y HABB1 HEENB OIFPH UC0YJ
 EAYH0 K0R-K 0A-K0 A-17A YMOYJ DY3AP M07-1 ,10YV AV9UP
 CAC0UB YC7PH EC7KH C7KH? UC7ER 11NEC B9YAP Y9ALP 79GLP
 PHEAY YMOY, M9YVE K1HMI ENC7Y GW5TH ME7KH HE1EH EG0US
 -B0FT FAYBF B0Y/B A6X9S /RE7F .B2WU N8R BD 04589 B7Y0Y
 /REBD DHE-K H05S2 B70YJ ,GH4G 76P4B U10GM 16E8-9 B5JAF
 P9YMB UKJME BMEB8 E30U8 /PE29J AENP-J -ST3T 45A-W M5AOP
 BFF4Z 767AP AG76P 7M-3 3679S G3WBD 90YUN M5A-W M5AOP
 NMJAO JTAOY JAMPO PAX0S D9KJIK APY-W J4DDP EEEYD 4H0H0
 S5NDL JTAOY DN-N1 YD-+Y DDOY1 4DYTH J4DDP EEEYD 4H0H0
 Y7011 01DHY V8761 K0K2K -0K4B B3BAE KZALK HUMEU K0K0Z
 C0ZAM P0B0P M0BPM D0K10 C0ZAM R0K10 SP2EK IADY1 D25K0
 C0ZAM E07B0 70K7B 0K7P0 0E1K7 0V16H /KALC E253V EBB5V
 E0E8G HP72H PZ7H-OR-69 CZE45 ABEAY LUR1Y AWEHE VFNJU
 /REB0 C0Z1B E2B12 UVP0E P706K AWPVB 0F0P 0E-A7 0E-KV
 KJME S11HS ABEJ1 H3J13 HY7JE H49JH S3H9K AAUSH AAKMK
 JHME MEH9 9AEJ1 HKJ16 U30G0 00B0J 6K0M7 M8P7P M0PFG
 AHMPZ HP72H PZ7H-OR-69 CZE45 ABEAY LUR1Y AWEHE VFNJU
 T0K07 D0700 2D007 POYOR 07Y0- R0JON AGMEH YDYDE ,YDDU
 GAMPLA G,P0K A70K0 N-+DU Y0,FU KJTK0K U-VHK S1US1 HAKIM
 JMKUK HE-0H UK09, AMKZK IAKKM ZUKJZ MZKKK NNMJH
 JMKU7U 071VL E1YV9 YDEIU MYH3E A2AAE AY0AL HLN1P PANGA
 K0AK2 ,ETLI FASLG NLB17 X,EX9 NMLK1 ,YK4B U7Y7H E-97?
 AE73A E79EY 789EY 91YL NLZ10 AH79Y AHHEH LNLH2 IAKMI
 L1EWM BK-9M Y1LYS YHES7 91AEW ,PK-9 M,Y7, MML17 TIKMI
 PUPZG M0QMP G0M7M UM053 M03PA BZ0M1 SC0G0 UDZ0N M13Z2
 MZG7 ,ERAM DRAT4 H0M6K AAPHW B0J0B WBAFC WPM0R APBYM
 REHMR BMR1 W5M5R H-1J9 73WDR E071W 3KNI-1 UMURY JEMMA
 K0749 KMA2N M1ABM E0W47 60W9N 3AKK5 WR90K E00K0 MPWR
 OR703 KX3BM ADOAA HWE1E KMIE3 BMA40 AAEU7 P1HSH PH4P
 V17ME M/AME 5MKZ4 E00B8 M004JF 00M0F /H4AD CPL4P DP11V
 E7EJF 3JEH/ 0XK0- 1/-03 HYG00 EAKPP J06-W 3M2Y5 M12M
 02X5 0/M7U SP-7N1 IMKH/ H0NCO M450M COMN2 0/HEN -EH-1
 02BH, Y5BMK M1M2Z 1A51D ZB2C, Y5B8M ME7PH M0MBK PMCEA
 XPMU RH0XP LLAKP JRDBA P0AG1 APKJX EPEXP EMH8B PPMNO
 /AFHA XYWVA AYNOA XEAMJ U0-A0 9YHSU 9YHAP ,9YK0 DBH0P
 1,00PU H0PVA ,UYOA 0-H-4Z 0Y0K0 29/4, /,1K9 K,P00 MPMJ
 YAP77 EAZHA 343E9 ,A77E 2,3AR A,0YF 001G9 P7EUD G9PFO
 Y 10KPF 0/KK0 /RHK1 7EA-U HUPH? ERH9F 17ERA

PUNCTUATION AND NUMERALS OMITTED

UMAMU SUD0A UPUBP AEOAM XCV4J ACB4K 0AJAU ZP2EA PMBEY
 CAVCC PH41H CEN01 FJ00J YEAYH DKOAK 0AK0A IAYNO PYD7A
 MY110 VYAYU PC0CU YCPRE U4CHK HLEER 11NEC B9YAV LPLGP
 PHEAY MYMYI EKXIM EHUB1 G5GPH MEKXH E3EH2 BUSB0 FT7A
 BFD0A ASBER BZ0NG FBD0G BBZ0H YBDBH BHN5Z YU0GH J6GP-
 U0GEE EA9GP ABEMJ HMEBH EMBEB JPEAE NPJTT B8JGA FBF7S
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 HJME EENAE JHKJY U0G0U 0B0J 0MPPG M0PFG HP72H
 PRZHP 0R0GZ EAGEA YL0RL YAAZH EVFNJ U7XAD 000D0 0P0Y0
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 KOVAK S1US1 HAKIM JMMUK HAKUK AMKZK IAKKM MJK1N ZUKJZ
 MZKKK NNMJH MNUO0 IYLB1 YYYDE IUMH YAEYA EYAE EY1Y
 KAKKK ETLIF ASLCN LA1AE ANMLK IAEW KAVLY SYH5 IAEW
 LNLZ1 0AHYA HREHL N1H21 XHNL IAEW KAVLY SYH5 IAEW
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 REHMR IMWRH IMJFW DRE1W KJNWM RYJEM MKAKM ANMAB MEW4W
 NAHMY KKEEK KMP4R 0R0K BMA00 P17PG DHP4F HP72H PEEUJ PUEH
 DPLVE H4PFL FLPPG PE1BH JF0MF HBA0P POPPD PEEUJ PUEH
 X00HY SPEAK PPMJW MZYMZ M0ZK0 MUPNI MKH1N COMMK COMN2
 HE7EA I0ZBH YBKMM MZK41 G1APF KJEPZ AEEMH MBFMA N0HAF
 MURHG PELLA KPJRD P4P9A Y1APF KJEPZ AEEMH MBFMA N0HAF
 HAKYU W4YNO AXEAM J0J40 YHSUY H4P0Y K0DBH PV4VH NP4VU
 Y04H2 0Y0K0 A1KPP COMMP AJYAF EAH4H EA4VR A0YBC 00PFO
 UGPP0 Y00KP 0K0OR HX1EA UHUPH ERH9F 17ERA