

IBM SYSTEM/360



AUDIO EDUCATION



Department of Education

CARD
PUNCH



IBM SYSTEM/360



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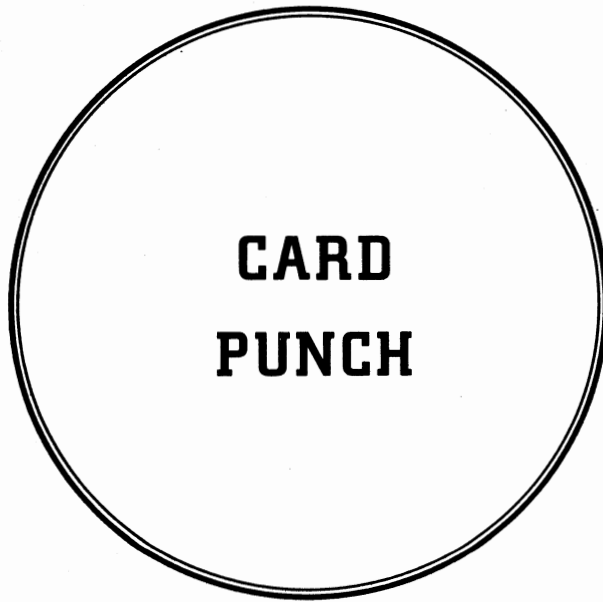
Department of Education

**CARD
PUNCH**

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AUDIO EDUCATION



**CARD
PUNCH**

AUDIO TEXTBOOK

Department of Education

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INTRODUCTION

COURSE DESCRIPTION

This AUDIO EDUCATION instruction explains how to operate the IBM Card Punch. It introduces the student to the basic terminology of data processing at the card punch level, discusses the card and how information is coded in the form of punched holes, identifies the machine parts, and explains the program card. The last section of the instruction takes up two special features of the Type 29 Card Punch: two-level programming and automatic insertion of left zeros by the machine.

COURSE OBJECTIVES

At the conclusion of this instruction, the student will know:

- How to operate the card punch as a qualified trainee
- Card handling
- How to plan and prepare a program card

MATERIALS REQUIRED

1. AUDIO EDUCATION two-track magnetic tape, recorded on both tracks at a speed of 3-3/4 inches per second. The CARD PUNCH tape is enclosed.
2. An IBM card punch
3. A tape recorder, on a stand or table next to the card punch
4. This AUDIO EDUCATION textbook
5. Blank IBM cards (5081's or other general purpose card)
6. Scratch paper and pencil

TIME REQUIRED

Tape listening time is two hours and 45 minutes.

In addition, the student will require at least 35 hours of punching practice to qualify as a trainee card punch operator.

INTRODUCTION (continued)

PREREQUISITE

For the numeric punch, none.

For the combination alphameric punch, the ability to type 40 words per minute is recommended.

LESSON INDEX

		<u>Charts</u>
LESSON 1	Introduction The IBM Card Numeric Punching Alphabetic Punching Card Handling The Keyboard Machine Parts	1A - 10B
LESSON 2	Starting Procedure Closing Procedure Review Quiz No. 1 Card Jams	11 - 17
LESSON 3	Fields Left Zeros Analysis of a Card Design Mounting and Removing a Program Card Automatic Skipping and Duplicating Review Quiz No. 2	18A - 25
LESSON 4	Preparing a Program Card Manual Duplication Review Quiz No. 3	26 - 32
LESSON 5	Two Special Features of the Type 29 Review of Differences on the 29	33A - 39

TOPIC INDEX WITH TAPE INDEX

These tape meter readings are approximate. Meter readings vary, not only from one tape recorder to another, but also on the same machine at different times. The figures given are only intended to guide you to the general area of the topic.

<u>TOPIC</u>		<u>TAPE INDEX</u>	<u>CHART</u>
<u>Lesson 1</u>			
Functions of the Card Punch	<u>Side 1</u>	000	1
The IBM Card and the Punching Positions		014	2
How to Identify the Card Edges		041	3
Numeric Punching		046	4
Alphabetic Punching		058	5
Corner Cuts		105	6
Card Handling		114	7
Card Loading		150	8
Machine Parts		165	--
Numeric Keys		206	9A
Functional Keys		233	9B
Functional Control Switches		266	--
Fuses		336	9C
Review of Machine Parts		364	10
Starting Procedure		382	11
Punching the Numeric Keyboard		409	--
Closing Procedure		526	12
<u>Lesson 2</u>			
Review Quiz No. 1		579	13-14
Causes of Card Jams		594	15
A Card Jam from the Hopper		520	16
Card Jams at the Punching and Reading Stations		682	17

TOPIC INDEX WITH TAPE INDEX (continued)

<u>TOPIC</u>	<u>TAPE INDEX</u>	<u>CHART</u>
<u>Lesson 3</u>		
Fields	740	18A
Left Zeros	763	18B
Sub-Fields and Punctuation	792	19
A Payroll Card	813	20A
Skipping	854	20B
The Program Card for Payroll	891	21
Removing a Program Card from the Drum	908	22A
Putting a Program Card on the Drum	967	22B
<hr/>		
Punching the Payroll Card	<u>Side 2</u> 000	20A
Automatic Skipping and Duplicating	046	23
Manual Duplication Field by Field	107	--
<u>Lesson 4</u>		
Review Quiz No. 2	135	24-25
Preparing a Program Card	139	26
Star Wheels	175	27A
Explanation of the Program Card for Payroll	187	27B
Manual Duplication and Error Correction	270	28
Review of Duplication	319	29
Printable Characters for Duplication	340	30
Review Quiz No. 3	368	31-32
<u>Lesson 5 - Special Features of the Type 29</u>		
Two Program Levels; the Program Select Switch	379	33A
Program 1 - Program 2 Keys	405	33C
The Function of the Program 2 Codes	413	33B
A Sales Analysis Card	475	34

TOPIC INDEX WITH TAPE INDEX (continued)

<u>TOPIC</u>	<u>TAPE INDEX</u>	<u>CHART</u>
<u>Lesson 5 (continued)</u>		
A Typical Invoice	484	35A
Planning the Program: Program 1	493	35B
Program 1 - Program 2 Cards	532	36A
Planning the Program: Program 2	538	35B
A Combination Program Card	579	36B
Punching from the Invoice	600	35A
Automatic Insertion of Left Zeros	686	37A
Error Reset	718	37B
Program Codes for the Left Zero Feature	727	38
Points of Difference on the Type 29	754	39

INSTRUCTIONS TO THE SUPERVISOR

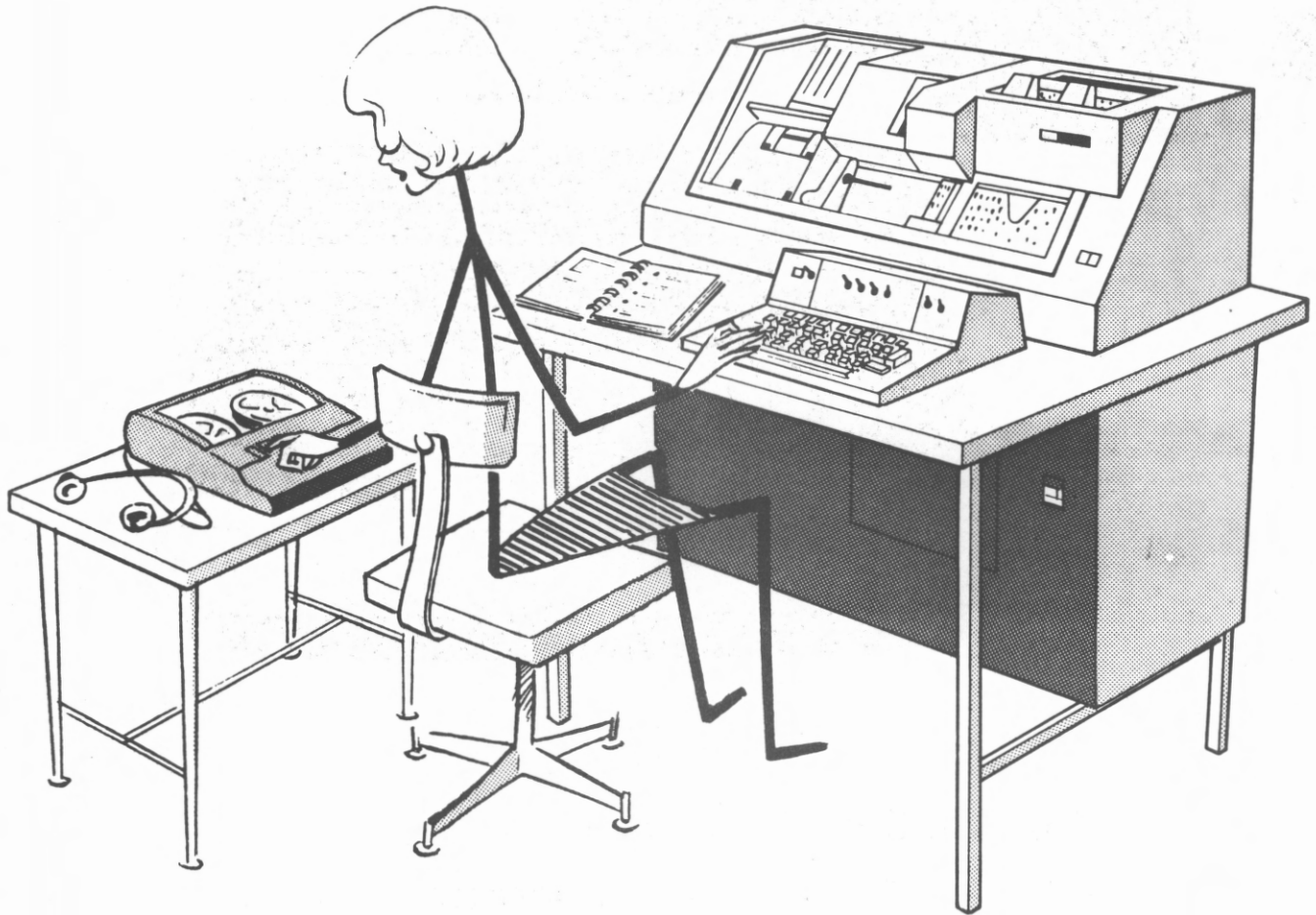
1. Please read the list of MATERIAL REQUIRED, on page 3, if you have not already done so.
2. If possible, put the student in a location where the tape recorder will not disturb other operators and where the student will not be distracted by machine noise and other activity. Some portions of the tape may have to be played more than once, to allow the student to review and understand the material. An inexpensive headset may prove helpful.
3. This course was designed to allow the student to work independently. At two or three points, he may have to call on you for assistance. As a general rule, however, he should not need help during the training period, unless unusual difficulties arise.
4. Before the student is ready to begin, please set up the card punch as follows:
 - Machine turned off and clear of cards
 - Pressure plate to the front of the card hopper
 - A program card on the drum, punched as follows:
 - Column 1 blank
 - 12's in columns 2 through 77
 - 1 in column 78 (to prevent an X skip on the Type 24)
 - Columns 79 and 80 blank
 - Star wheels down
 - Approximately 200 blank 5081 cards on the machine
5. Please set up the tape recorder as follows:
 - Machine turned on
 - "CARD PUNCH" tape threaded from the left reel to the right reel
 - Tape speed control set at 3-3/4
 - Tape index meter turned back to zeros
6. Be sure the student knows how to adjust the volume, rewind the tape, use the "Stop" key and the "Play" key, etc.
7. Try to put the student in a calm, confident frame of mind, so that he or she will be able to learn.

INSTRUCTIONS TO THE STUDENT

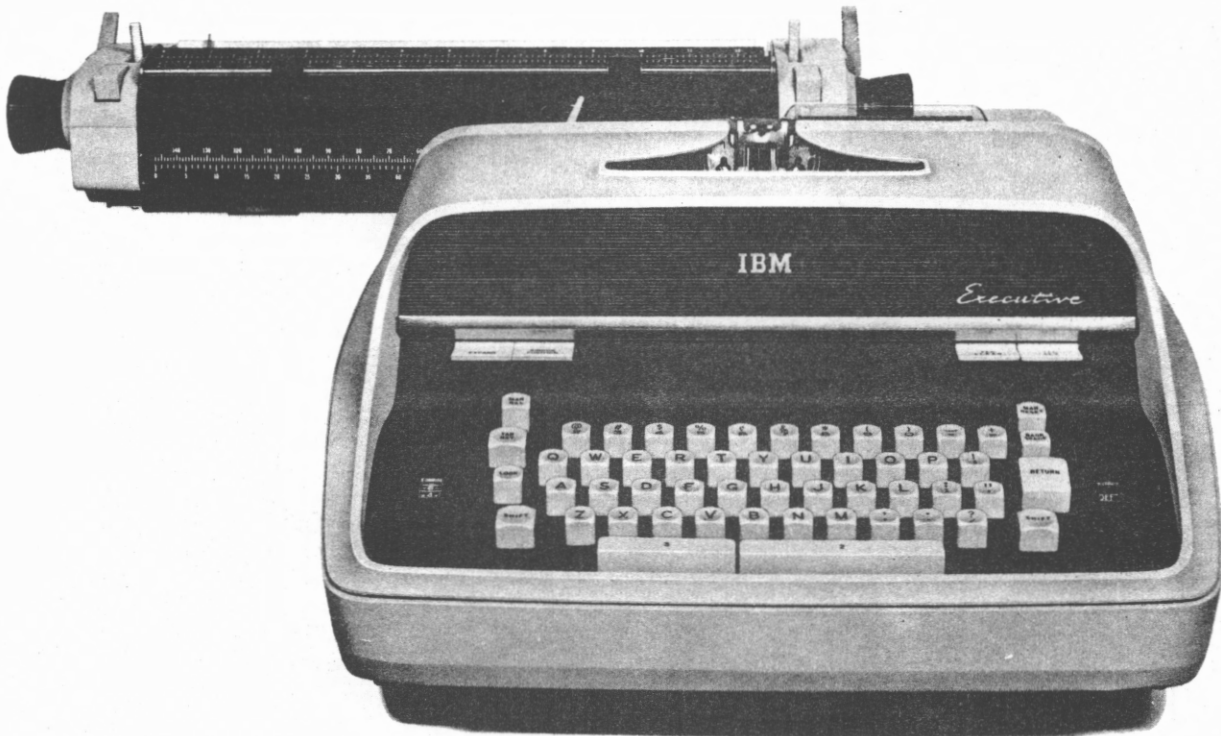
1. You are about to learn to operate an IBM card punch. The instructor's voice on tape will be your teacher.
2. Do not be nervous. You can take all the time you need and go at your own pace.
3. If there is anything in the instruction that you do not understand the first time you hear it, please feel free to rewind the tape and play that part over again. Also you may want to stop the tape and take a moment to study one of the charts. Please do that, whenever you want to.
4. Please give the course your complete attention. By doing that, you will learn quickly and well.
5. When you come to the punching exercises, concentrate on them, so that you master them perfectly.
6. The class is divided into lessons, so that you will learn and practice one thing at a time.
7. You do not need to take notes or make any marks in the textbook.
8. The instruction starts on the tape. The instructor will explain the card punch machine and the charts in your textbook, and will tell you at each step exactly what to do.
9. When you are ready to begin, press the Start key ("Play") on the tape recorder and turn the page.

We hope you enjoy your training !

“FOLLOW THE INSTRUCTIONS ON THE TAPE”



A CARD PUNCH IS SIMILAR TO A TYPEWRITER



- **Basic functions of a typewriter:**
 1. To type numeric information
 2. To type alphabetic information
 3. To ditto information that is to be repeated
 4. To tab across blank spaces or columns

NUMERIC KEYBOARD



ALPHABETIC AND NUMERIC KEYBOARD



- Basic functions of a card punch:
 1. Punching numeric information
 2. Punching alphabetic information
 3. Duplicating information that is to be repeated
 4. Skipping portions of the card if we have nothing to punch

THERE ARE TWELVE PUNCHING POSITIONS IN EACH COLUMN

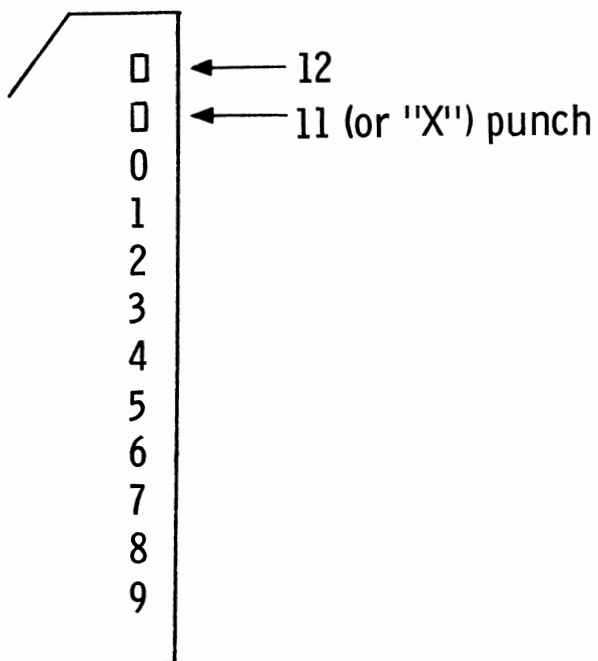
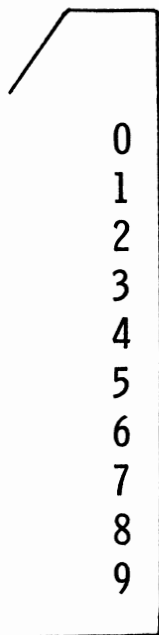
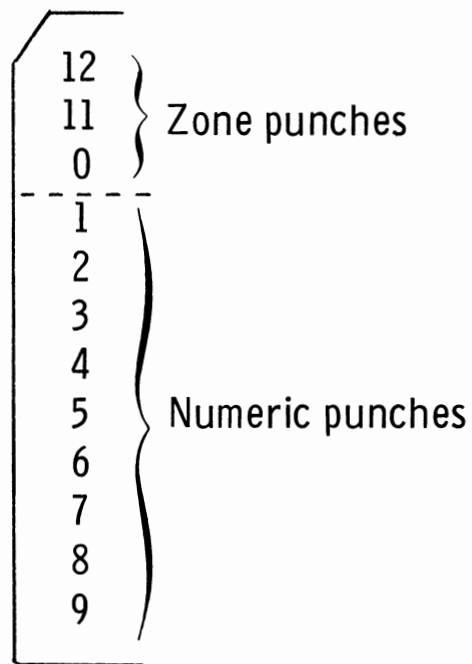


CHART 2B

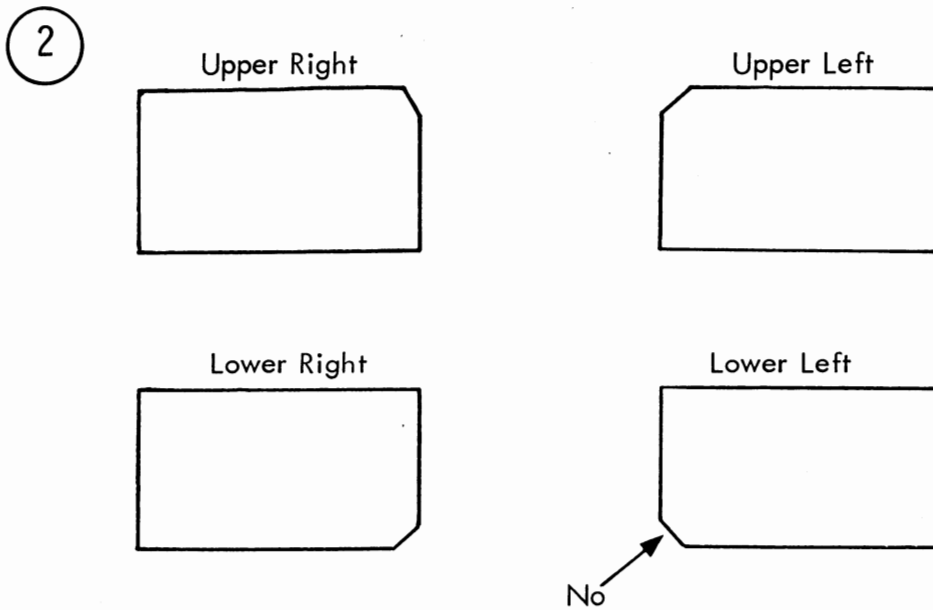
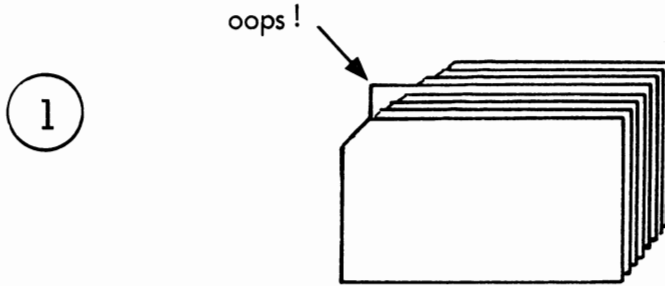
ALPHABETIC PUNCHING

- Numbers punch one hole per column
Letters punch two holes per column



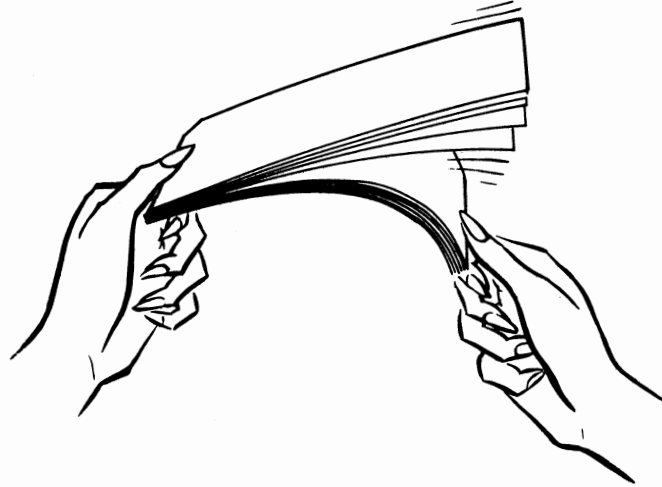
- A letter is made up of:
One zone punch
One numeric punch

CORNER CUTS (continued)

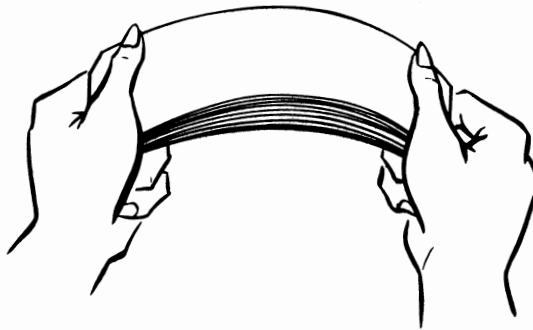


CARD HANDLING IS IMPORTANT!

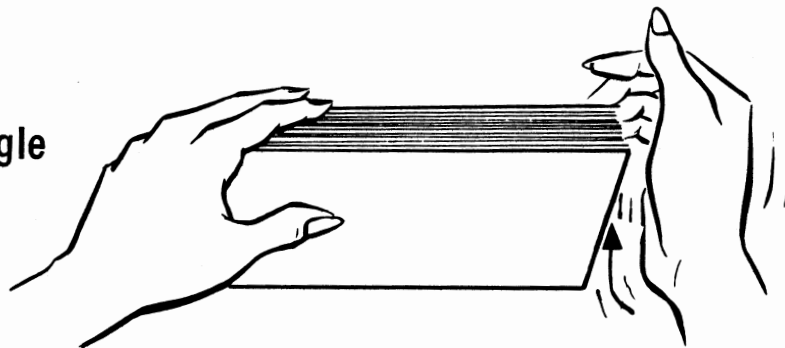
1. Fan



2. Flex

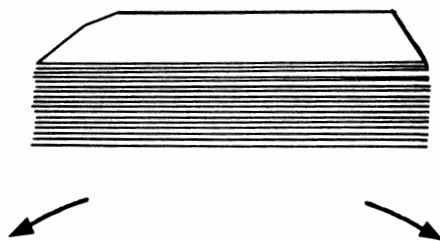


3. Joggle

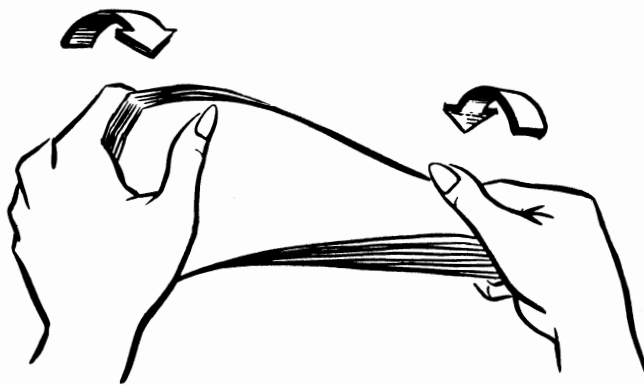


CARD HANDLING (continued)

4. The deck is straight or has a slight downward curve



5. Flex with a twisting motion to eliminate warp



LOADING CARDS INTO THE HOPPER



CHART 8

NUMERIC KEYS

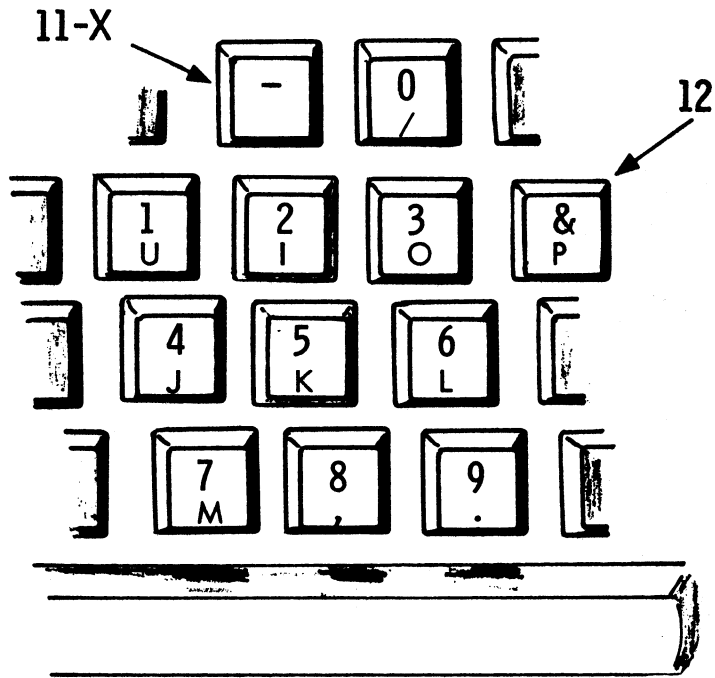
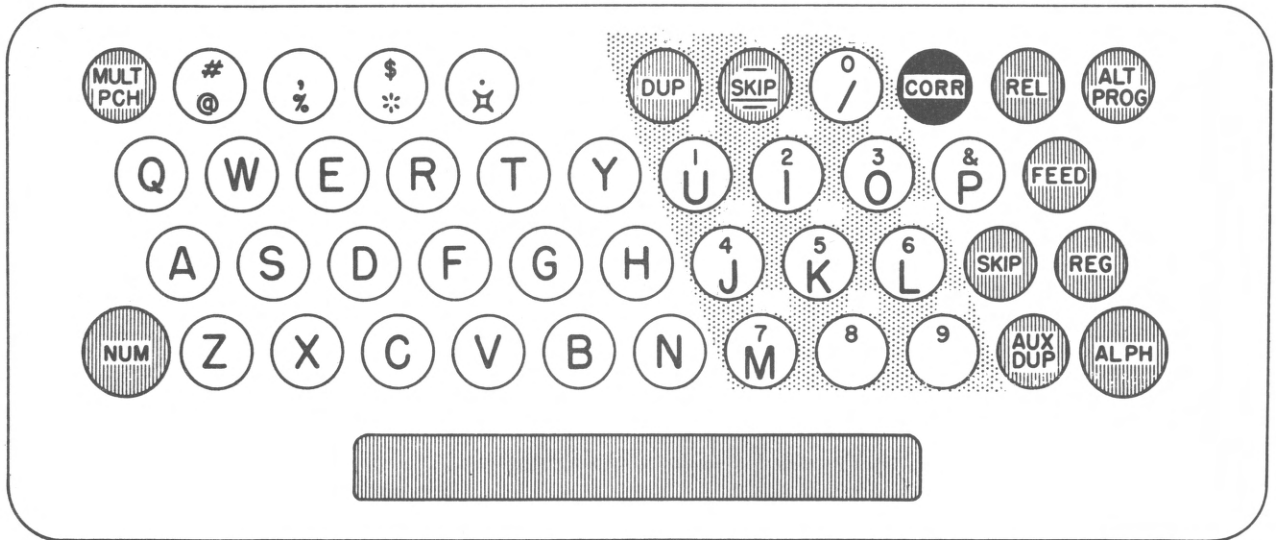


CHART 9A

FUNCTIONAL KEYS

Type 24 and Type 26



Type 29



FUSES

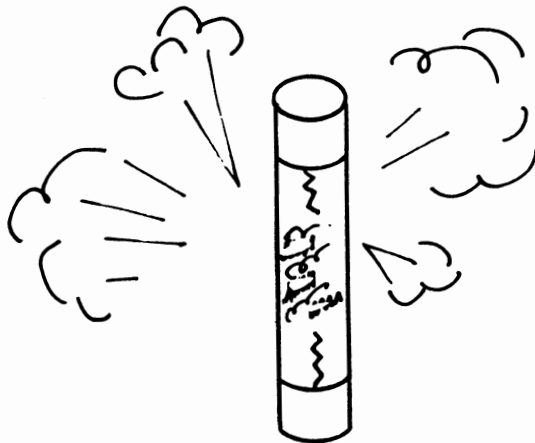
On the 29



On the 24 - 26



- If a fuse is blown, the glass will be cloudy and the filament will be broken.



MACHINE PARTS – 24 and 26

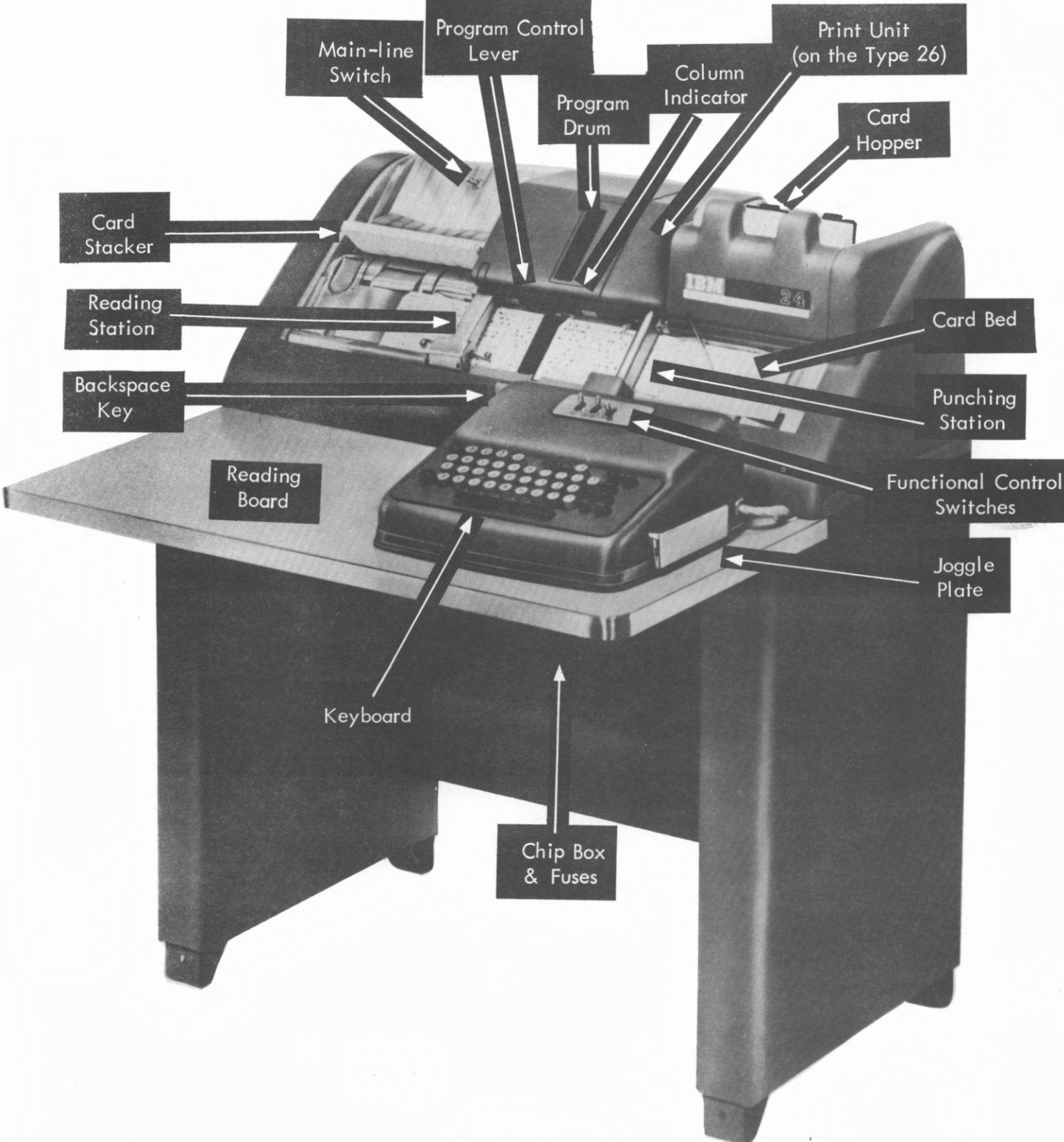


CHART 10A

MACHINE PARTS – 29

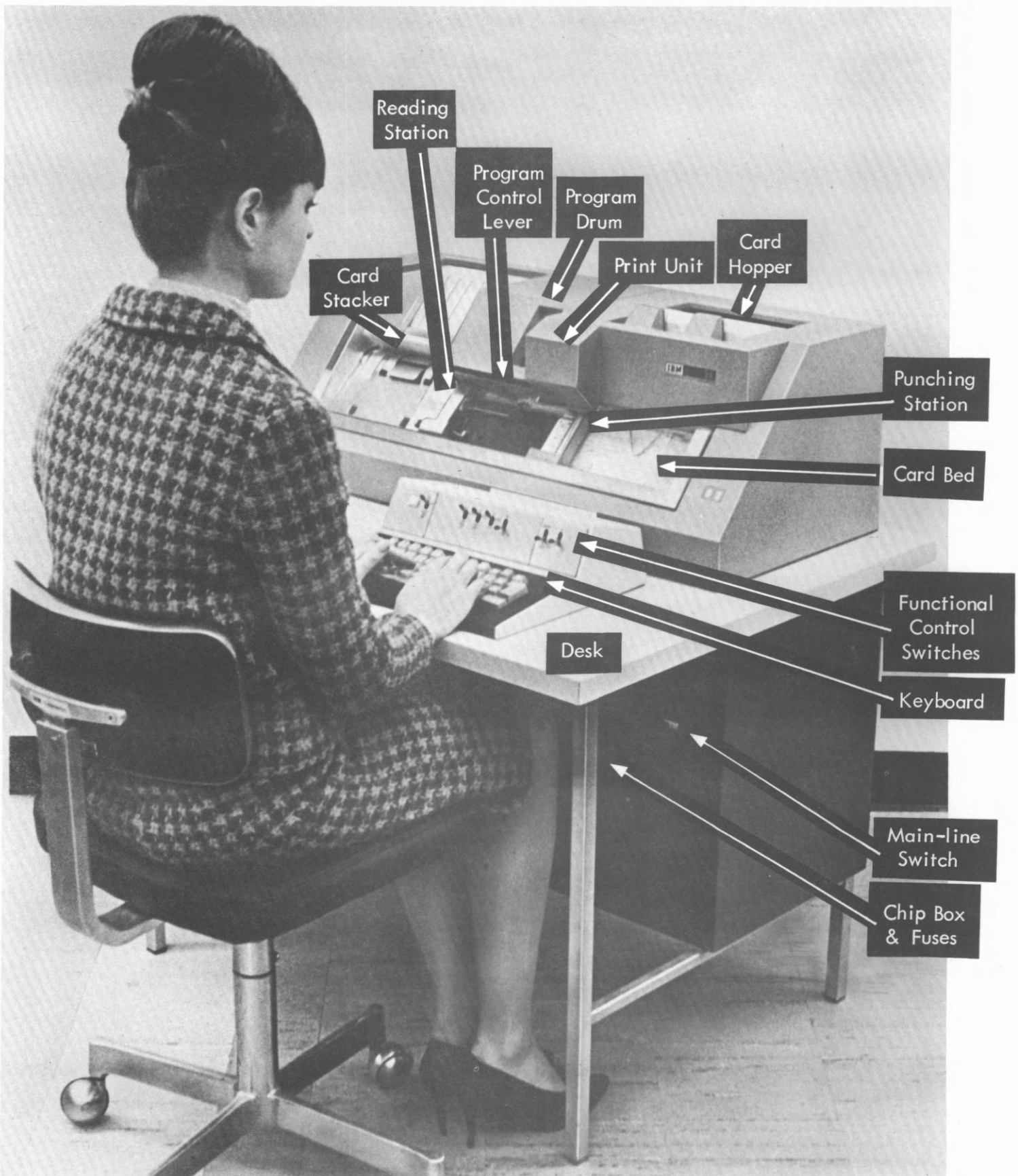


CHART 10B

FIVE STEPS IN THE STARTING PROCEDURE

1. Turn the main line switch on.
2. On the 24 or 26, press the release key once; wait for the program drum to revolve.
3. Place the cards in the card hopper (after you have fanned, flexed, and joggled).
4. Turn the automatic feed switch on.
5. Press the feed key twice.

FIVE STEPS IN THE CLOSING PROCEDURE

1. Turn the automatic feed switch off.
2. Clear the cards out of the card beds.
24-26: Release - register
29: Clear switch
3. Empty the card hopper and return the blank cards to storage.
4. Turn the machine off at the main line switch.
5. Dust the machine.

REVIEW QUIZ NO. 1

Please write your answers on the back of a card or on scratch paper.
Please do not write in the textbook !

Most of these questions can be answered in one or two words.

1. Can you remember the four basic functions of the card punch?
2. How many columns on an IBM card?
3. How many punching positions in each column of the card?
4. How many holes does a number punch in the card?
5. How many holes does a letter punch?
6. The top edge of the card is called the _____ edge, and the bottom edge is called the _____ edge.
7. What is the purpose of the corner cut?
8. When we punch a letter, one punch will be a _____ punch and the other punch will be a _____ punch.
9. What are the three things we must do before we put cards in the machine?
10. If we suspect a blown fuse, what must we do before we examine the fuses?

When you have finished answering the questions,
please fold the next chart out to the right.

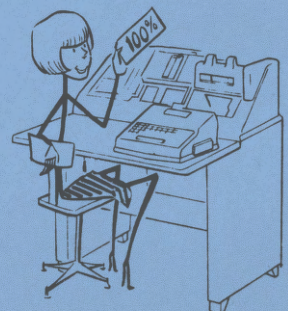


ANSWERS TO REVIEW QUIZ NO. 1

	<u>Refer to:</u>
1. Numeric punching, alphabetic punching, duplicating, skipping	Chart 1B
2. 80	Chart 2A
3. 12	Chart 2B
4. One hole	Chart 5A
5. Two holes	Chart 5A
6. Twelves edge Nines edge	Chart 3
7. It shows whether all cards are facing the same direction	Chart 6
8. Zone Number	Chart 5A
9. Fan, flex, and joggle	Chart 7A
10. Turn off the machine	Chart 10

When you have finished checking your answers and have settled any differences by looking at the charts given on the right, please fold this chart back into the textbook.

Then TURN ON THE TAPE RECORDER.



THREE CAUSES OF CARD JAMS

1. Improper storage

Avoid



2. Improper handling by the operator

Failure to fan, flex, and joggle

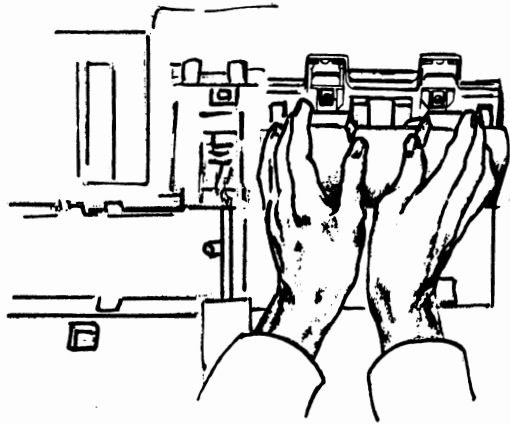


3. Dust, dirt, or foreign objects in the machine

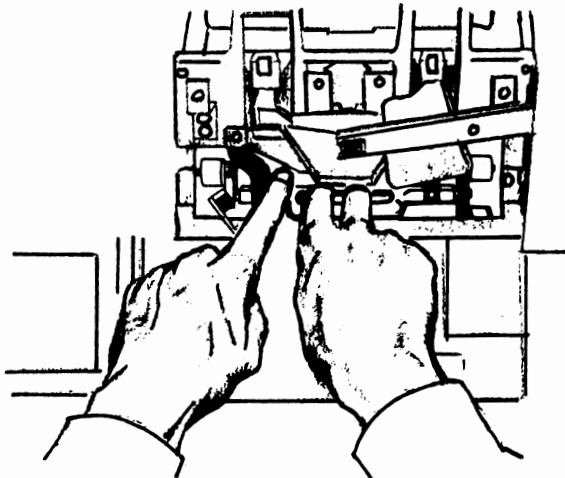


IF A CARD JAMS IN FEEDING DOWN FROM THE HOPPER

- A. Pull forward on the front of the case

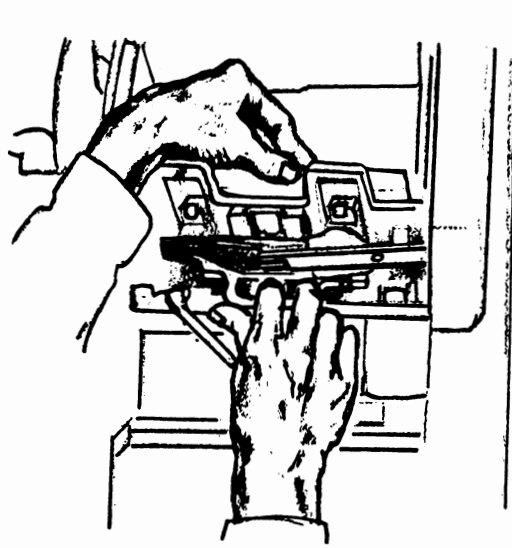


- B. Pull forward on the metal handle

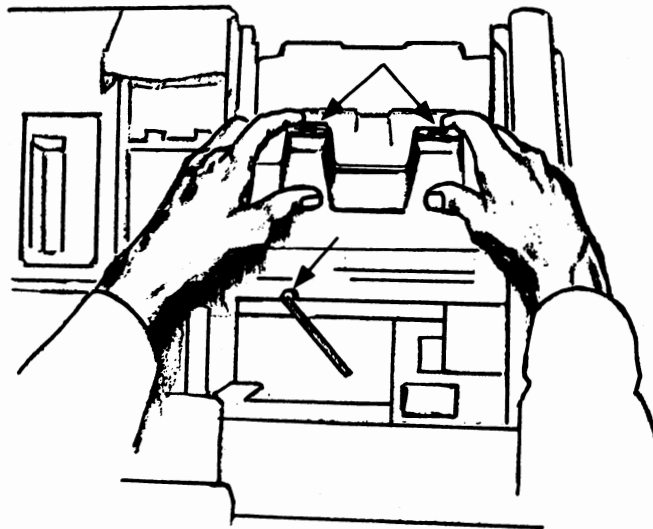


IF A CARD JAMS IN FEEDING DOWN FROM THE HOPPER
(continued)

- C. Work the jammed card up and out



- D. Snap the cover back on



TWO OTHER LOCATIONS WHERE CARD JAMS CAN OCCUR: READING STATION AND PUNCHING STATION

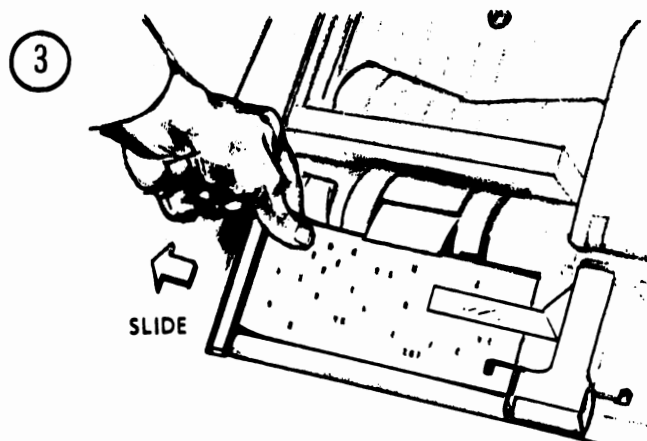
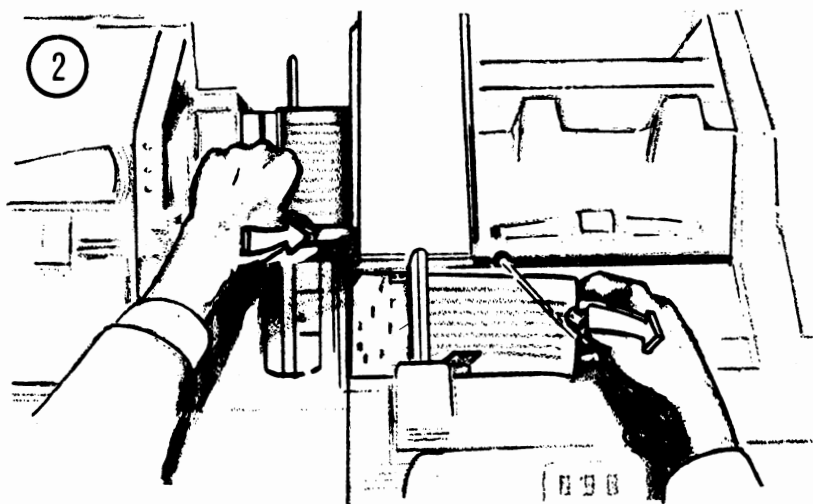
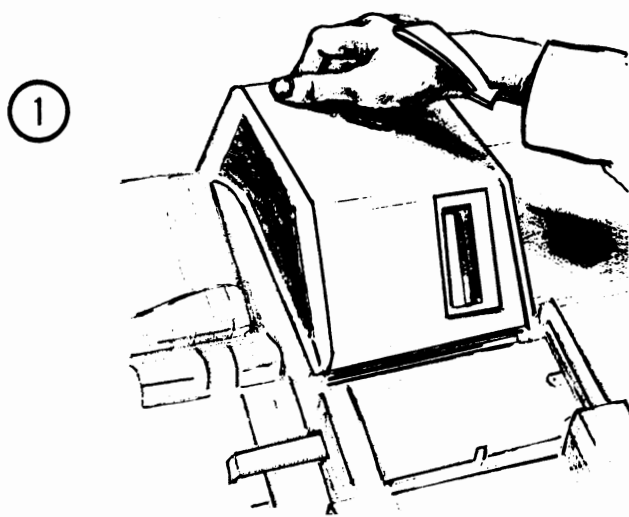
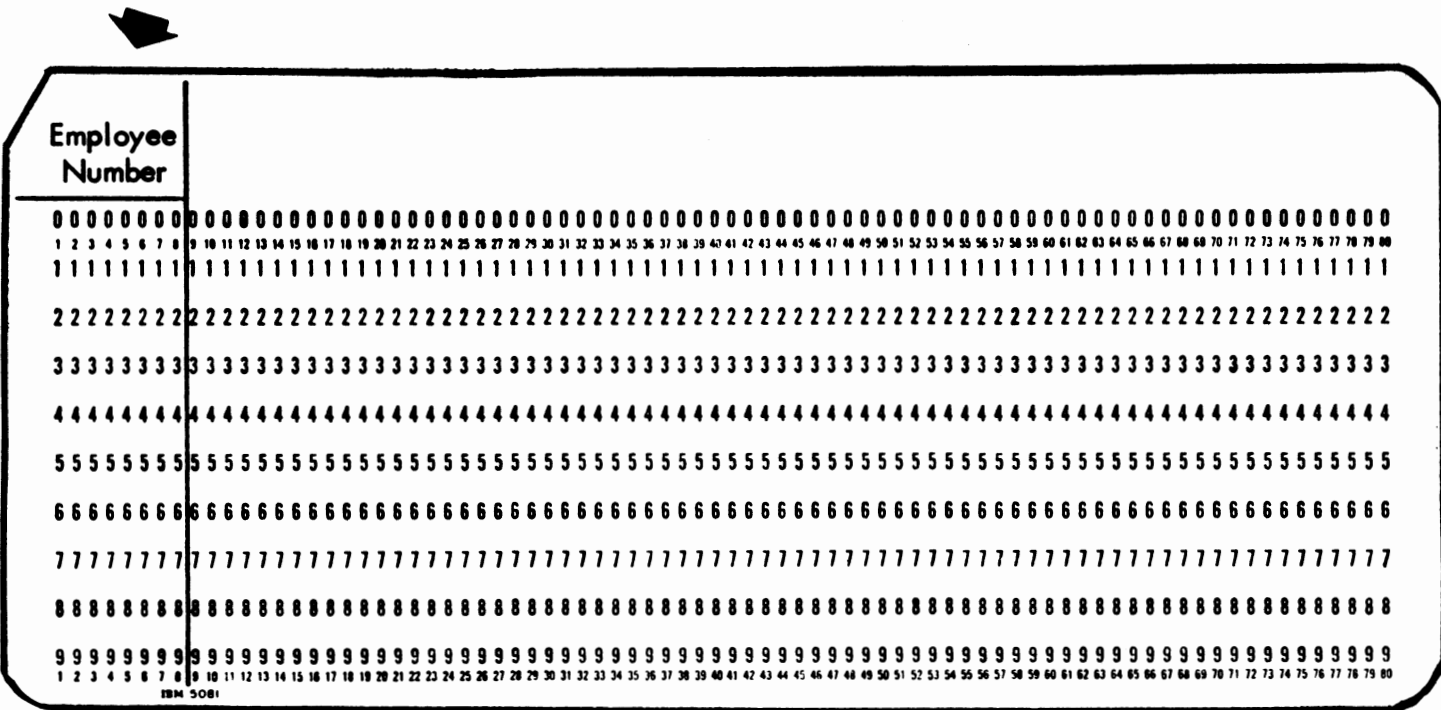


CHART 17

FIELDS: SPECIFIC AREAS FOR SPECIFIC DATA

- A field is a group of columns set aside for one particular item of information.



- All of the columns of the field must be used for punching that item.

A PAYROLL CARD

INTERNATIONAL BUSINESS MACHINES CORPORATION	EMPLOYEE NAME																SEX	SOCIAL SECURITY NUMBER					EMPLOYEE NO.		RATE	DATE			HOURS			EARNINGS			DEDUCTIONS		NET EARNINGS		TAX STATUS											
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16																	17	18 19 20 21 22 23 24 25 26					27 28		29 30 31			REG- LAR	OVER- TIME	TOTAL	REGULAR	OVERTIME	GROSS	GASI	WITH. TAX	34 35			36 37										
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4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4																	4	4 4 4 4 4 4 4 4 4 4					4 4		4 4 4 4 4 4 4 4 4 4			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5																	5	5 5 5 5 5 5 5 5 5 5					5 5		5 5 5 5 5 5 5 5 5 5			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
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IBM 732392

CHART 20A

SKIPPING

- On the typewriter, we "tab" across blank areas.
- On the card punch, we skip unused fields or columns.

For skipping numeric fields on the 24 or 26. Punches an 11-X punch.

11

EMPLOYEE NAME	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE NO.		RATE	DATE			HOURS			EARNINGS			DEDUCTIONS			NET EARNINGS	STATUS				
			DEPT.	CLOCK		MO.	DAY	YEAR	REGU-LAR	OVER-TIME	TOTAL	REGULAR	OVERTIME	GROSS	OASI	WITH. TAX							
																	1			2	3	4	5
000000000000000000	0	00000000000000	0	0	00000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111111111111111111	M	11111111111111	1	1	11111	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
222222222222222222	F	22222222222222	2	2	22222	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
333333333333333333		33333333333333	3	3	33333	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
444444444444444444		44444444444444	4	4	44444	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
555555555555555555		55555555555555	5	5	55555	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
666666666666666666		66666666666666	6	6	66666	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
777777777777777777		77777777777777	7	7	77777	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
888888888888888888		88888888888888	8	8	88888	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
999999999999999999		99999999999999	9	9	99999	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Skip

- For skipping alphabetic fields on the 24 and 26. Doesn't put a punch in the card.
- For all skipping on the 29.

REMOVING THE PROGRAM CARD FROM THE DRUM

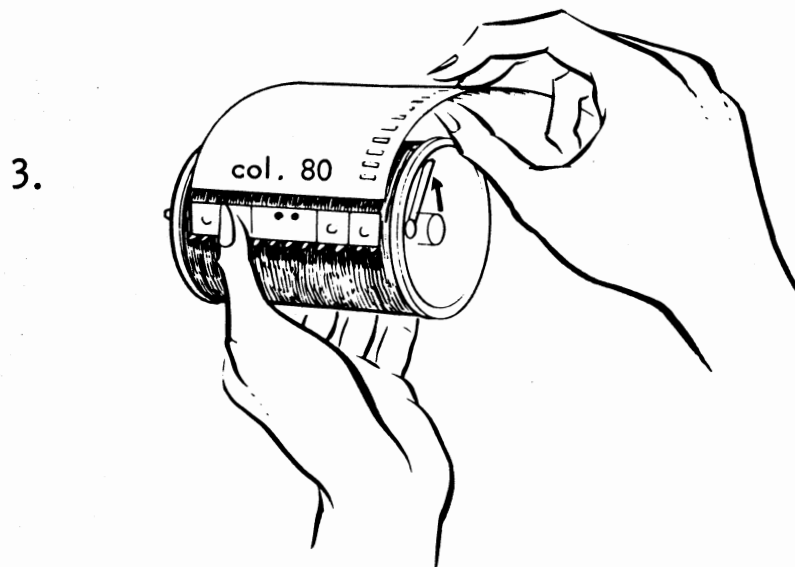
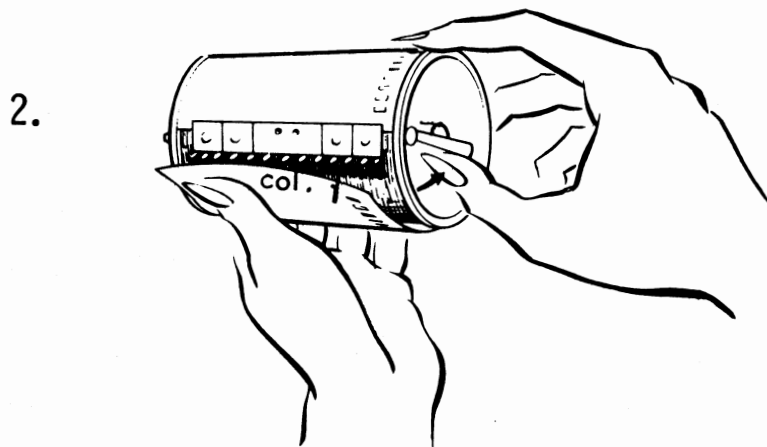
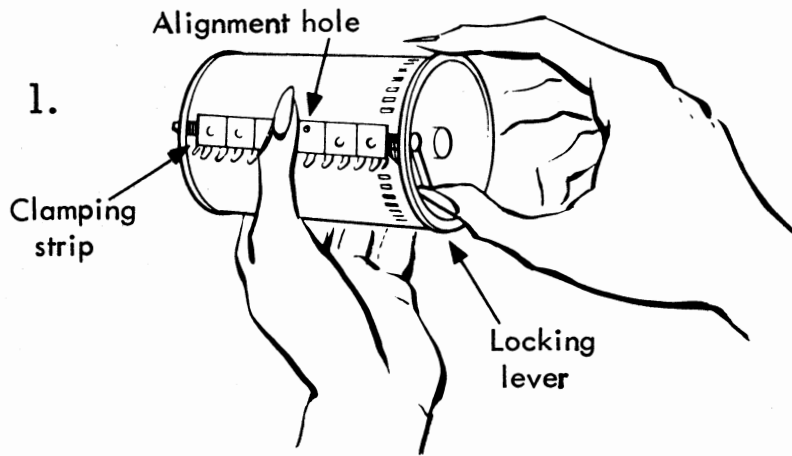


CHART 22A

PUTTING A PROGRAM CARD ON THE DRUM

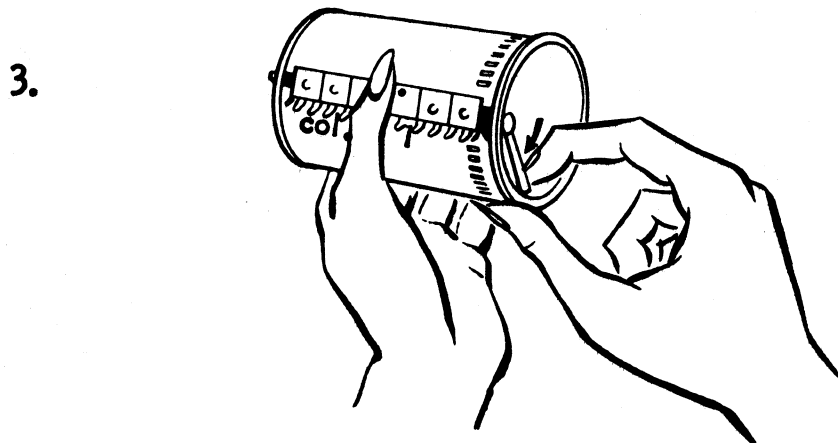
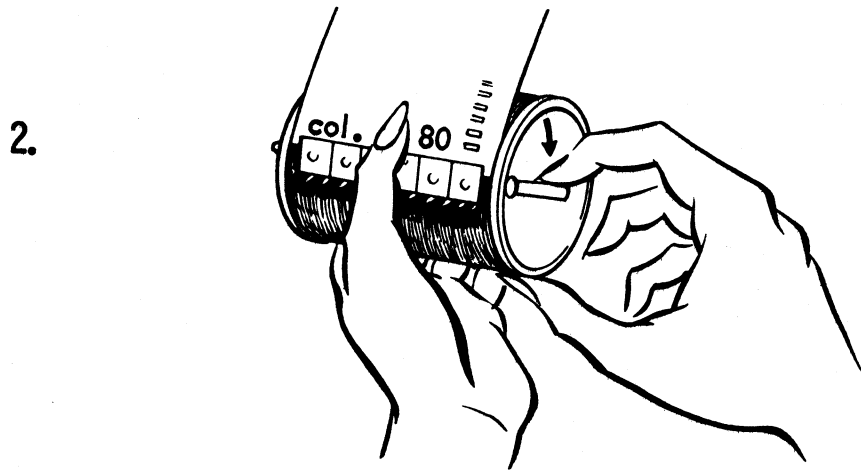
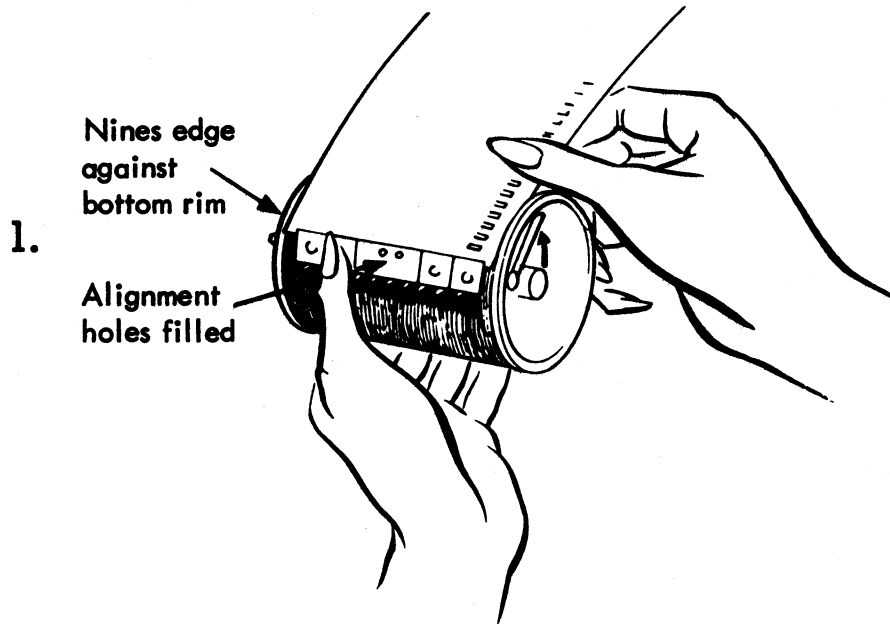


CHART 22B

AUTOMATIC SKIPPING AND DUPLICATING

- The first card in any group is the "master" card.
- Punch the first card of the group before you turn Auto Skip/Auto Dup switch on.
- Check the first card for correct information in the fields that will be duplicated automatically.
If it is wrong, every card in the group will be wrong.
- When you are ready to begin automatic skipping and duplicating, turn the Auto Skip/Auto Dup switch on.
- Leave it on until you are ready to punch the first card of the next group.
- Then turn it off, in order to change the duplicated information.



When the program card is set up for automatic skipping and duplicating, the Auto Skip/Auto Dup switch puts the program to work.

REVIEW QUIZ NO. 2

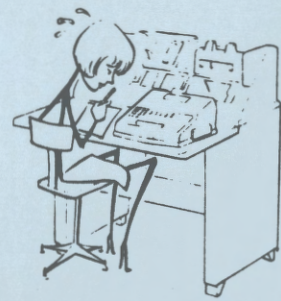
Please do not write in the textbook.

Write your answers on scratch paper or on the back of a blank card.

Most of these questions can be answered in one or two words.

1. What are the three causes of card jams?
2. If a card jams when it is feeding down from the hopper, do you have to call a customer engineer to take care of the jam?
3. If a card jams at the punching station or reading station, what mechanism do you use to release the jammed card?
4. A field is a group of columns set aside for one particular item of data. True or false?
5. In a numeric field, if we haven't enough information to fill the columns, what do we use as "filler"?
6. How is punctuation shown on the card?
7. a) On the Type 24 and Type 26, which key do we use to skip the unused portion of an alphabetic field, like Employee Name?
b) On the Type 24 and Type 26, which key do we use to skip a numeric field, if we want a positive indication that we meant to skip it?
8. On the Type 29, which key is used for all skipping?
9. Before we take the program drum out of the machine, what must we be sure to do?
10. If the program card is set up for automatic skipping and duplicating, what else must we do before the machine will automatically skip and duplicate?

When you have finished, please fold Chart 25 out to the right.



ANSWERS TO REVIEW QUIZ NO. 2

- | | <u>Refer to:</u> |
|---|------------------|
| 1. Improper storage
Improper handling by the operator
Dust, dirt, or foreign objects in the machine | Chart 15 |
| 2. No, the operator can remove a jammed card. | Chart 16 |
| 3. Pressure roll release lever | Chart 17 |
| 4. True | Chart 18A |
| 5. Left zeros | Chart 18B |
| 6. A broken vertical line | Chart 19 |
| 7. (a) The plain skip key (next to the 6 key) | Chart 21 |
| (b) The 11-X or dash-skip key | Chart 21 |
| 8. The plain skip key (next to the 6 key) | Chart 21 |
| 9. Raise the star wheels | Chart 22 |
| 10. Turn on the Auto Skip - Auto Dup switch | Chart 23 |



When you have settled any differences by referring to the charts given on the right, please fold this chart back into the textbook.

TURN ON THE TAPE RECORDER.

PREPARING A PROGRAM CARD

- The program card tells the machine
 - ... How long each field is
 - ... The function to be performed in each field
- A code is punched in the first column of the field, to signal the kind of operation to be performed:

	<u>First column</u>
Numeric field	Blank
Alphabetic field	1
Automatic duplication	0
Automatic skip	X-11

- Field length is defined by the 12 punch.
- A 12 punch says: this column is part of a continuous field. Keep performing the same function.

PROGRAM CARD FOR PAYROLL

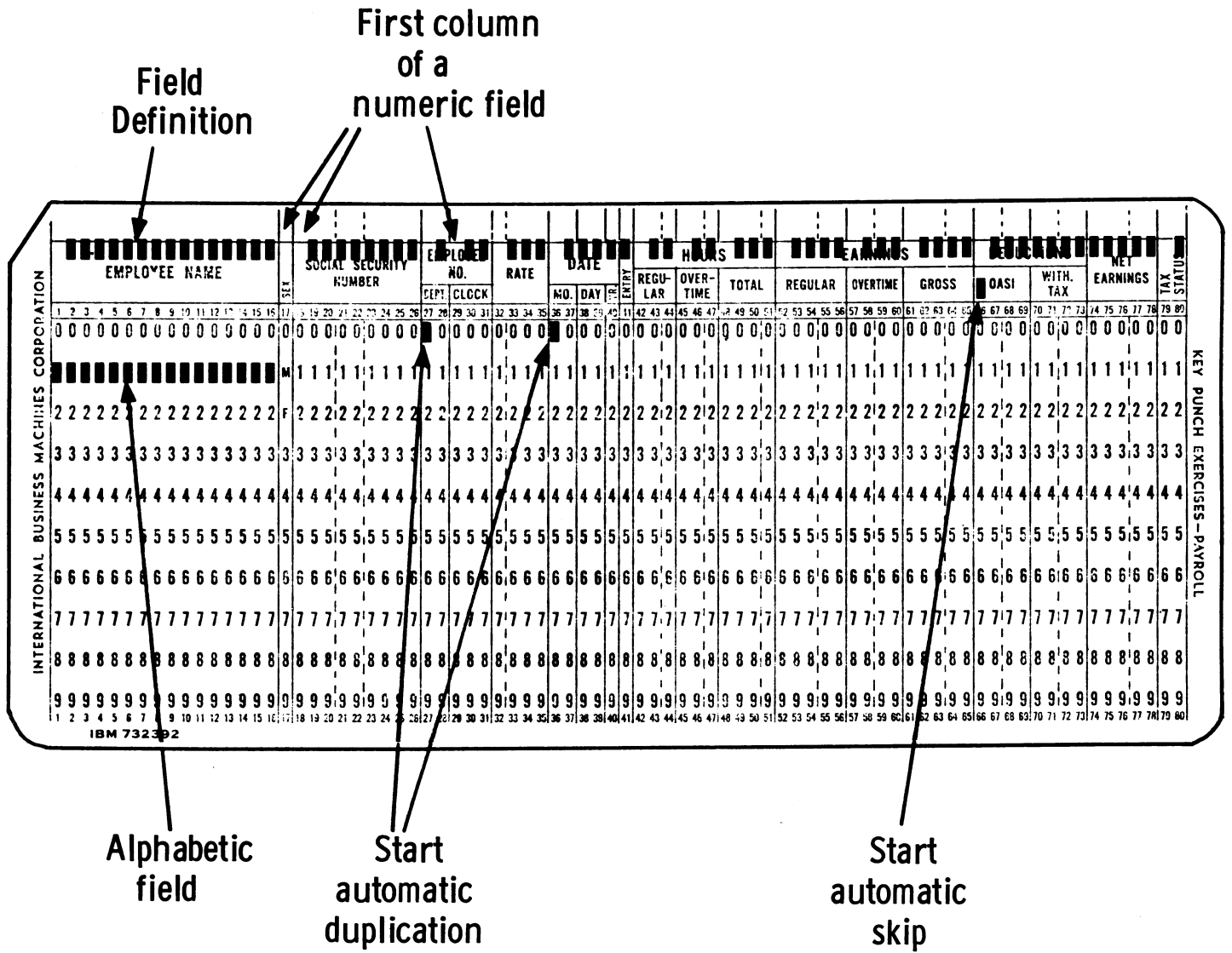
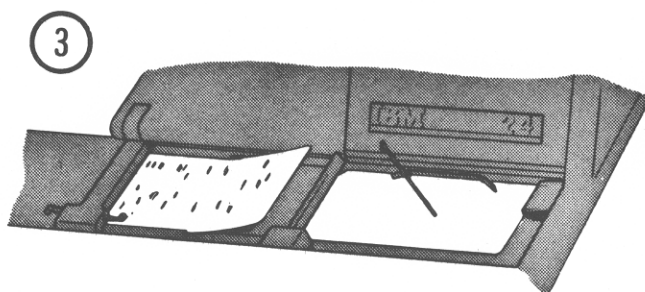
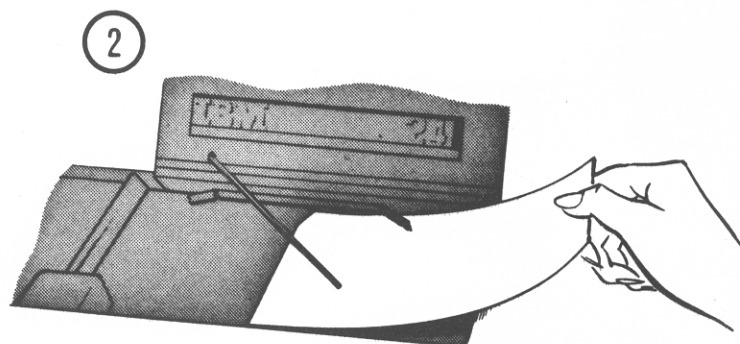
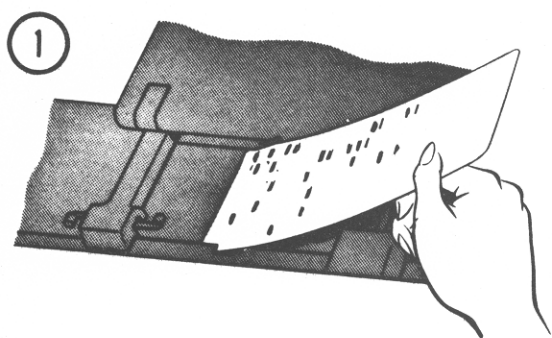


CHART 27B

MANUAL DUPLICATION AND ERROR CORRECTION



REVIEW OF DUPLICATION

- Duplication means allowing the machine to punch repetitive information.
- There are three kinds of duplication:
 - (1) Automatic duplication
Zero in first column of field on program card
Auto skip and dup switch on
 - (2) Manual duplication, with a program card
Operator presses the dup key
Machine duplicates a field at a time
 - (3) Manual duplication, without a program card
Operator presses the dup key
Machine duplicates a column at a time
- Auxiliary duplication
 - ... Special feature
 - ... Means duplicating information from a master card mounted on a second drum
- Advantage of duplication:
 - ... Holds the number of keystrokes to a minimum
 - ... Increases the operator's speed and output

PRINTABLE CHARACTERS FOR DUPLICATION: TYPE 26

<u>Character</u>	<u>Prints</u>	<u>Punches</u>
Ampersand	&	12
Dash or minus	—	11
Slash	/	0-1
→ Period	.	12-3-8
Dollar sign	\$	11-3-8
Comma	,	0-3-8
Number sign	#	3-8
Lozenge	◻	12-4-8
→ Asterisk	*	11-4-8
Percent	%	0-4-8
At sign	@	4-8

⬠ Other combinations of multiple punches will damage the print unit, if we try to duplicate them.

PRINTABLE CHARACTERS FOR DUPLICATION: TYPE 29

<u>Character</u>	<u>Prints</u>			<u>Punches</u>
	<u>EL</u>	<u>A</u>	<u>H</u>	
Ampersand	&	&	+	12
Dash or minus	—	—	—	11
Slash	/	/	/	0-1
Period	.	.	.	12-3-8
Dollar sign	\$	\$	\$	11-3-8
Comma	,	,	,	0-3-8
Number sign, equal	#	#	=	3-8
Less than, lozenge	<	◻)	12-4-8
Asterisk	*	*	*	11-4-8
Percent	%	%	(0-4-8
At sign	@	@	'	4-8

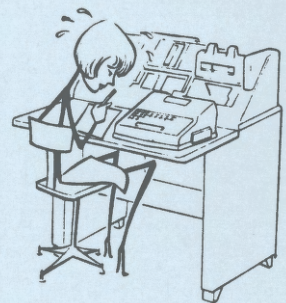
Cent sign	¢	All of these		12-2-8
Exclamation point	!	characters		11-2-8
(No character assigned)		print as a		0-2-8
Colon	:	solid square		2-8
Left parenthesis	(12-5-8
Right parenthesis)			11-5-8
Underscore	¯			0-5-8
Prime or apostrophe	′			5-8
Plus sign	+			12-6-8
Semicolon	;			11-6-8
Greater than sign	>			0-6-8
Equal sign	=			6-8
Logical "Or" sign				12-7-8
Logical "Not" sign	⊥			11-7-8
Question mark	?	0-7-8		
Quotation mark	"	7-8		

REVIEW QUIZ NO. 3

Please do not write in the textbook !
Answer as briefly as possible.

1. The program card tells the machine two things about each field.
What are those two things?
2. What code punch in the program card begins an automatic skip?
3. Where does that code punch go?
4. What code punch tells the machine to begin automatic duplication?
5. What tells the machine that a field is a numeric field?
6.
 - a. What code punch puts the machine into alphabetic shift?
 - b. How many columns of an alpha field must contain that code?
7.
 - a. What else must be punched in the program card for an alphabetic field?
 - b. What is the most efficient way to punch the coding for an alpha field?
8. In manual duplication, using a program card, we duplicate field by field.
Without a program card, we duplicate _____ by _____.
9. What happens if you try to duplicate invalid combinations of punches on a printing punch?

When you have answered all the questions,
please fold Chart 32 out to the right.

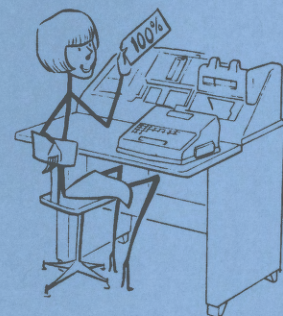


ANSWERS TO REVIEW QUIZ NO. 3

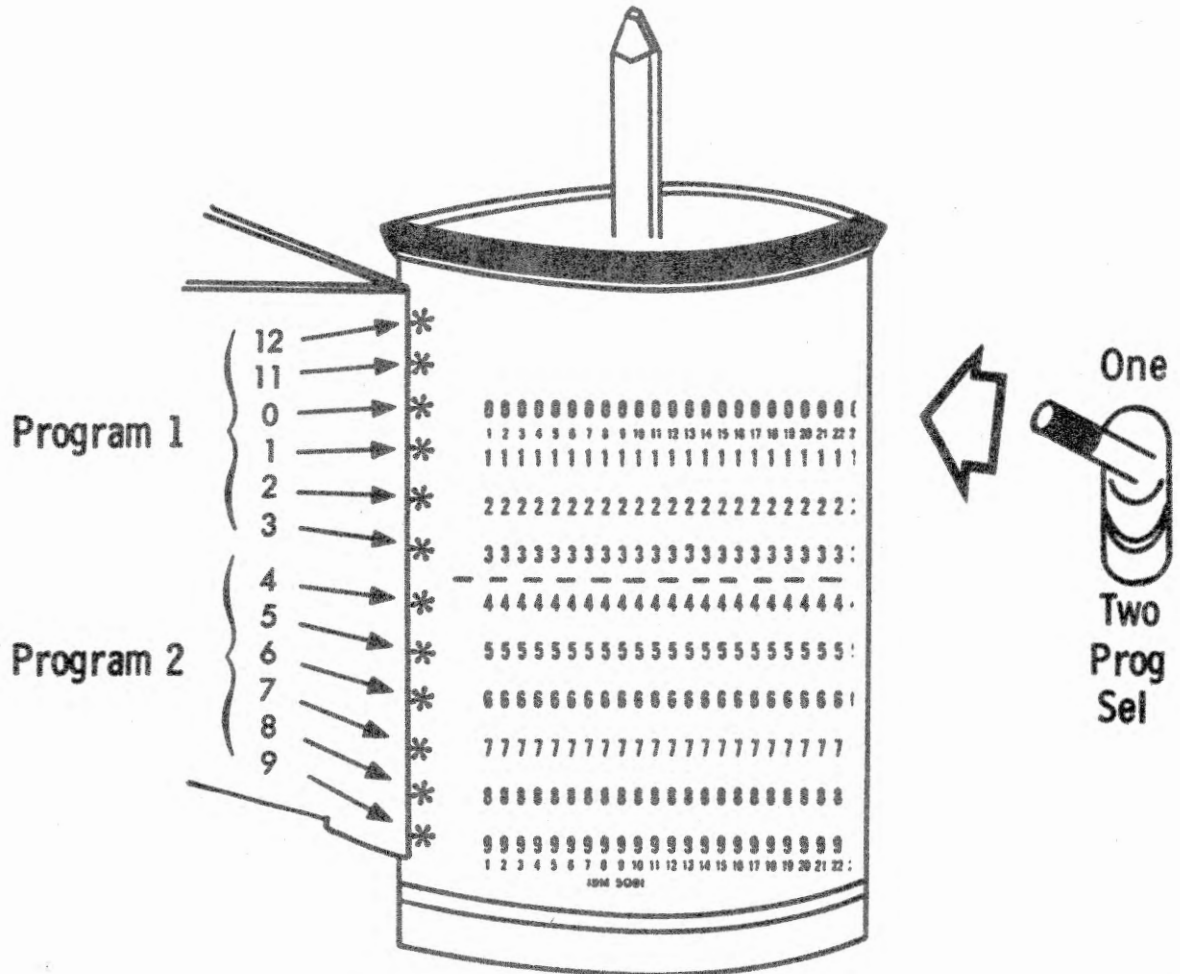
- | | <u>Refer to:</u> |
|--|------------------|
| 1. The length of the field
The function to be performed in that field | Chart 26A |
| 2. X or 11 | Chart 26A |
| 3. In the first column of the field | Chart 26A |
| 4. Zero | Chart 26A |
| 5. First column of the field is left blank | Chart 26A |
| 6. a. 1
b. All columns | Chart 26A |
| 7. a. 12's for field definition
b. A | Chart 26B |
| 8. Column by column | Chart 27B |
| 9. Damage to the print unit | Charts 29A-B |

When you have settled any differences by referring to the chart numbers given on the right, please fold this chart back into the textbook.

TURN ON THE tape recorder.



TWO PROGRAM LEVELS



- This device allows two different applications to be punched with the same program card.
- When you change the switch setting, the other program goes into effect at the start of the next card.

Program 2

Program 1

Function

4

12

Field definition

5

11

Start automatic skip

6

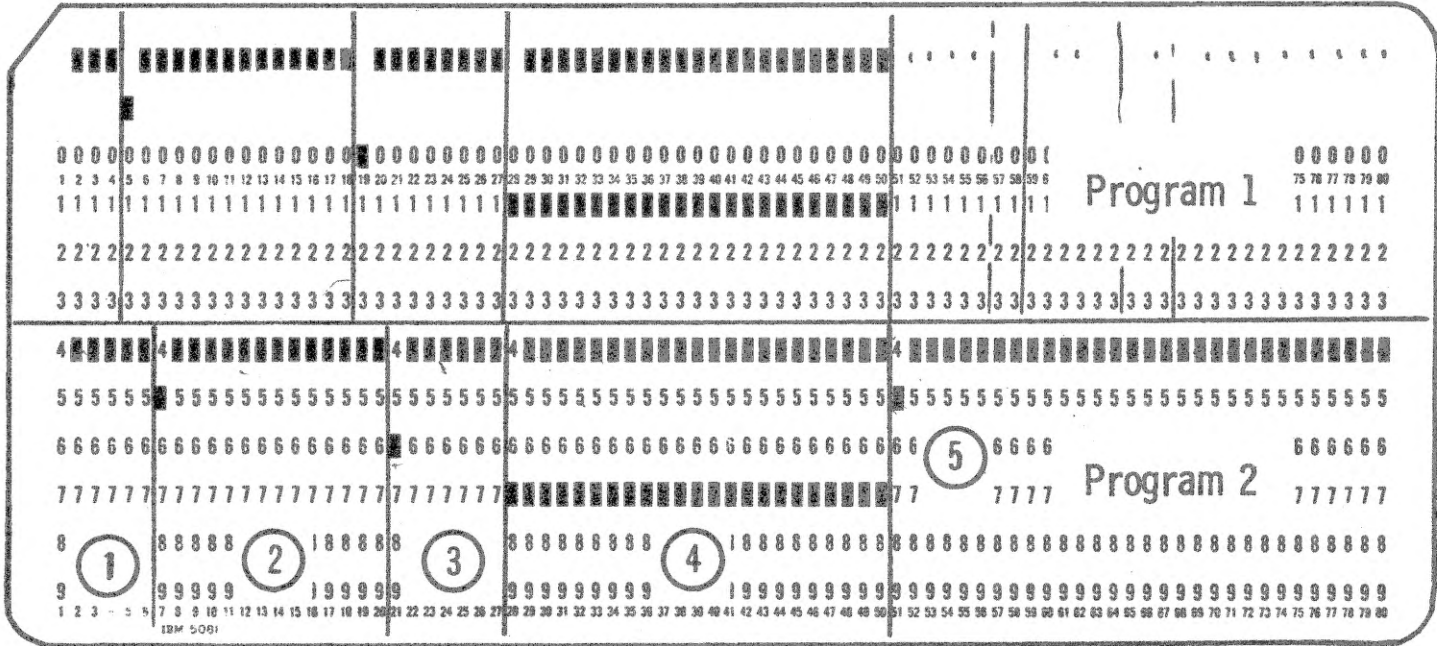
0

Start automatic duplication

7

1

Alphabetic shift



↑
 Numeric

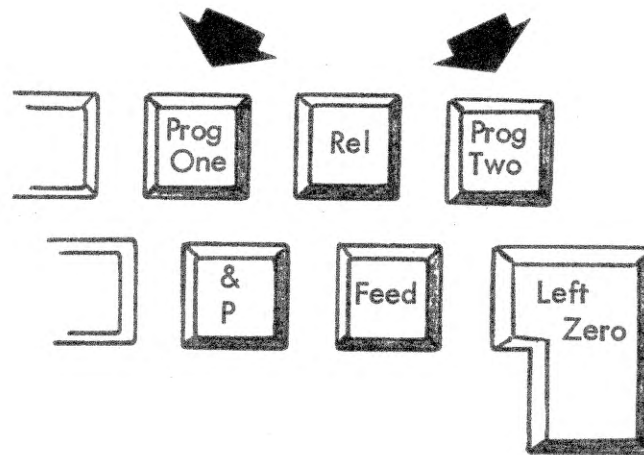
↑
 Auto Skip

↑
 Auto Dup

↑
 Alphabetic

THE FUNCTION OF THE PROGRAM 2 CODES

TO CHANGE PROGRAMS IN THE MIDDLE OF A CARD



- The change of program takes place immediately
- You can change back and forth between the two programs as many times as you want

A TYPICAL INVOICE

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

①

REFER TO
INVOICE NO. 42402

INVOICE DATE 1/8

②

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
15	21	124	20	90493

SOLD
TO

Chicago Grocery Co.
2026 S. State St.
Chicago, Ill.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
③ 96	COCOA	46257 .83	79.68	71.60
7	LEMON EXTRACT	44473 .89	6.23	5.98
6	MAPLE SYRUP	53521 2.35	14.10 CR	9.87
37	SALT BUTTER	14785 .39	14.43 CR	9.41
15	SWEET BUTTER	14889 .46	6.90	4.47
35	PRUNES	23735 2.80	98.00	83.30
8	APRICOTS	22048 3.70	29.60	25.90
9	APPLES	22039 4.70	42.30	27.58
10	CEYLON TEA	45169 4.80	48.00	43.23
11	SODA CREAM	36832 .75	8.37 CR	5.36
9	AMMONIA	63015 .93	16.62 CR	10.80
10	MATCHES	65537 .94	9.40	8.50
6	OLIVES	31600 1.90	11.40	9.03
37	DATES	21328 .80	29.60	19.24
12	FIGS	21376 .90	10.80	7.10
13	PEAS	58664 2.15	27.95	25.27
14	CORN	23289 2.40	33.60	28.28
20	EVAPORATED MILK	76368 3.00	60.00	55.80
1000	SPINACH	23848 .12	120.00 CR	102.00
16	APPLE SAUCE	22032 1.60	25.60	21.78
17	FLOUR	11383 8.10	137.70	131.40
40	RAISINS	21744 .54	21.60	17.28
50	STOVE BLACK	66864 .09	4.50 CR	4.27
20	ANIMAL CRACKERS	48024 .50	10.00	9.50
60	FLY PAPER	65393 .76	45.60	43.79
		44213		

AUTOMATIC INSERTION OF LEFT ZEROS

- Available only on the Model B
- Without the left zero feature:
 - ... On the program card, the first column of the field is blank
 - ... We must key in the correct number of left zeros
- With the left zero feature:
 - ... On the program card, we put a code punch in the first column of the field
 - ... The code punch tells the machine how long the field is
 - ... When we key the field, we punch only significant information
 - ... The machine puts those digits in storage
 - ... When we press the left zero key, the machine automatically provides the correct number of left zeros

ERROR RESET

- If you make a keyboard error, you can correct it.
- Punching does not take place until the Left Zero key is pressed.
- Error Reset erases what was keyed in.
- You can then key the field again, correctly.

PROGRAM CODES FOR LEFT ZEROS

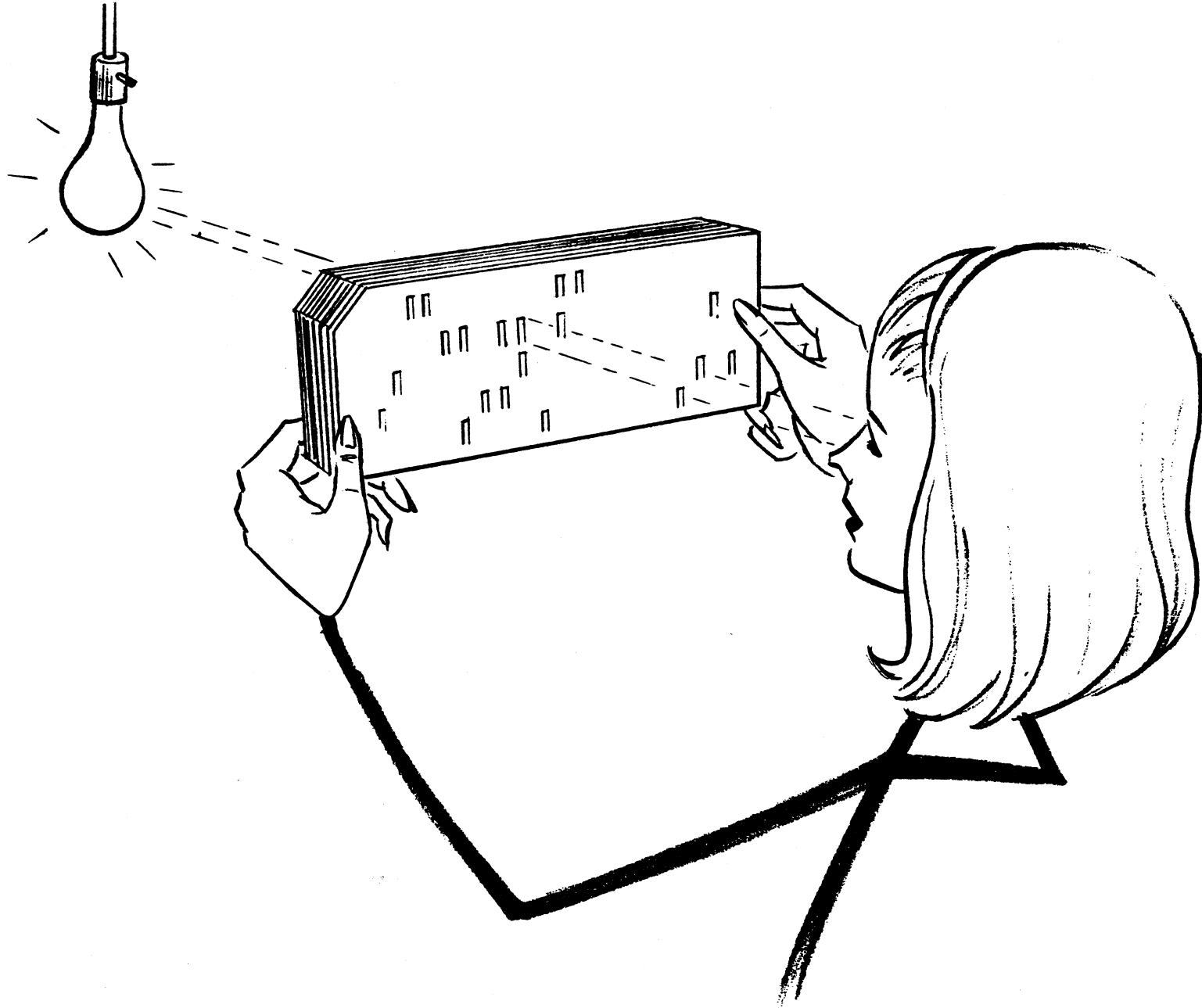
- The code in the first column of a numeric field indicates the size of that field.
- The machine reads the punched code and sets up the field length.
- There are two sets of these punched codes:

	<u>Program 1</u>	<u>Program 2</u>
For a field of 8 columns	2	8
7	3	9
6	2-3	8-9
5	1-2	7-8
4	1-3	7-9
3	1-2-3	7-8-9

POINTS OF DIFFERENCE ON THE TYPE 29

- The main-line switch is underneath the reading board (or desk).
- No warmup period when the machine is turned on.
- A full stacker stops automatic feeding from the card hopper.
- The 11-X key is not a skip key. Only the plain skip key skips.
- The extended keyboard includes the special symbols.
- The clear switch is used to clear the card beds.
- Two-level programming is a standard feature. This includes:
 - ... 12 star wheels
 - ... Program select switch, effective on the next card
 - ... Program 1-Program 2 keys, effective immediately.
- Automatic left zeros can be called for on the program card. Left zeros, together with significant information, are punched with the left zero key.
- Error reset key
 - ... Unlocks a locked keyboard
 - ... In the event of an error, erases what has been keyed into storage, when the left zero feature is used

SIGHT-CHECKING FOR ERRORS



The IBM card is the basis of IBM Data Processing. Each punched card is a unit record and must therefore contain all the descriptive as well as the detailed information which applies to each transaction. This information is recorded in the card in the form of punched holes.

The punching operation is a very important step in a data processing system and much of the success of an

installation depends on the ACCURACY AND SPEED of the card punch operator. It is possible to attain these two attributes only by maintaining a steady RHYTHM and a LIGHT TOUCH from the beginning.

The first six lessons of this book are keyboard exercises. One card should be punched for each line of figures.

EXERCISE 1

MACHINE SETUP: Type 24 and 26: Auto Feed switch ON, Auto Skip & Dup switch OFF, Print switch OFF
 Type 29: Auto Skip-Dup switch OFF, Program Select switch to ONE, Auto Feed switch ON, Print switch OFF, Left Zero Print switch OFF
 All machines: Program card on drum and program control lever ON

Card Columns																			Line # ↓		
	1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77	
4565	4565	5654	5654	6545	6545	5456	5456	4655	4655	5564	5564	6455	6455	5546	5546	5465	5465	5645	5645	1 X	Release
1565	1565	5651	5651	6515	6515	5156	5156	1655	1655	5561	5561	6155	6155	5516	5516	5165	5165	5615	5615	2 X	“
4562	4562	2654	2654	6245	6245	5426	5426	4652	4652	2564	2564	6425	6425	5246	5246	5462	5462	5642	5642	3 X	“
4535	4535	5354	5354	3545	3545	5453	5453	4355	4355	5534	5534	3455	3455	5543	5543	5435	5435	5345	5345	4 X	“
4512	4512	2154	2154	5612	5612	2165	2165	5124	5124	4215	4215	2451	2451	2561	2561	1462	1462	4261	4261	5 X	“
4513	4513	3154	3154	5613	5613	3165	3165	5134	5134	4315	4315	3451	3451	3561	3561	1463	1463	4361	4361	6 X	“
4523	4523	3254	3254	5623	5623	3265	3265	5234	5234	4325	4325	3452	3452	3562	3562	2463	2463	4362	4362	7 X	“

EXERCISE 6

MACHINE SETUP Same as Exercise 1

<i>Card Columns</i>																			<i>Line #</i> ↓
1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77
7653	0953	5084	2437	6169	X Skip	0537	3149	4021	5915	2905	7370	7216	2840	9581	X Skip	8271	7428	1862	1 X Skip
2838	6296	9127	5714	8625	X Skip	6501	8413	4690	4286	7614	7807	6218	7852	6485	6638	7106	0450	7160	2 X “
5436	9367	0951	4680	2839	2684	1435	3057	0958	3806	1519	0471	5818	2417	0161	X Skip	8085	7386	1809	3 X “
8563	7263	6699	0108	1630	X Skip	9272	9017	3790	3667	1574	9579	7070	7146	1940	X Skip	9936	4382	8039	4 X “
0403	9639	6395	0819	4180	2848	0707	3540	9158	1737	3943	7318	6437	0950	6175	0758	2835	7043	7917	5 X “
0536	7298	1379	4628	3948	7999	6072	0871	6973	2467	9257	3625	9713	8240	7309	X Skip	9138	5924	7318	6 X “

EXERCISE 2

MACHINE SETUP Same as Exercise 1

<i>Card Columns</i>																			<i>Line #</i> ↓
1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77
7565	7565	5657	5657	6575	6575	5756	5756	7655	7655	5567	5567	6755	6755	5576	5576	5765	5765	5675	1 X Release
4568	4568	8654	8654	6845	6845	5486	5486	4658	4658	8564	8564	6485	6485	5846	5846	5468	5468	5648	2 X “
4595	4595	5954	5954	9545	9545	5459	5459	4955	4955	5594	5594	9455	9455	5549	5549	5495	5495	5945	3 X “
4578	4578	8754	8754	5678	5678	8765	8765	5784	5784	4875	4875	8457	8457	8567	8567	7468	7468	4867	4 X “
4579	4579	9754	9754	5679	5679	9765	9765	5794	5794	4975	4975	9457	9457	9567	9567	7469	7469	4967	5 X “
4589	4589	9854	9854	5689	5689	9865	9865	5894	5894	4985	4985	9458	9458	9568	9568	8469	8469	4968	6 X “

EXERCISE 5

MACHINE SETUP Same as Exercise 1

<i>Card Columns</i>																		<i>Line #</i> ↓	
1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77
4285	9597	0460	4377	2091	7429	5003	7281	3069	7014	1970	5267	0967	5824	9071	5827	3673	5075	8048	1 X Release
9571	4079	4810	6822	8193	3750	2185	6482	0547	3405	6794	3206	8210	4682	7528	9360	5840	2818	0714	2 X “
4538	0130	9720	4370	9396	3967	2384	7068	6396	3078	1680	4287	4097	9409	6376	7653	0851	3797	4104	3 X “
8967	6010	3809	6351	0582	6747	1753	4097	3150	8276	5075	6943	4895	2836	9304	8106	3597	4319	0752	4 X “
0893	4782	4379	4052	7483	1362	8810	4637	0932	5805	4980	7370	8210	8732	7374	1090	3635	8238	2845	5 X “
0673	9073	8316	7940	7472	8621	4890	3047	8006	2971	0083	1234	5981	6874	7773	9286	4442	1359	0049	6 X “

EXERCISE 3

MACHINE SETUP Same as Exercise 1

<i>Card Columns</i>																			<i>Line #</i> ↓
1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77
1471	1471	1741	1741	4711	4711	1174	1174	7114	7114	4117	4117	1147	1147	7411	7411	1741	4171	1417	1 X Release
2582	2582	2852	2852	5822	5822	2285	2285	8225	8225	5228	5228	2258	2258	8522	8522	2852	5282	2528	2 X “
0369	0369	9630	9630	3690	3690	0963	0963	6903	6903	3096	3096	9036	9036	6309	6309	0639	3960	6093	3 X “
1471	2582	0369	1471	2582	0369	1741	2852	9630	1741	2852	9630	4711	5822	3690	4711	5822	3690	1174	4 X “
2285	0963	1174	2285	0963	7114	8225	6903	7114	8225	6903	4117	5228	3096	4117	5228	3096	1147	2258	5 X “
9036	1147	2258	9036	7411	8522	6309	7411	8522	6309	1741	2852	0639	4171	5282	3960	1417	2528	6093	6 X “
1471	2285	9036	2582	0963	1147	0369	1174	2258	1471	2285	9036	2582	0963	7411	0369	7114	8522	1741	7 X “
8225	6309	2852	6903	7411	9630	7114	8522	1741	8225	6309	2852	6903	1741	9630	4117	2852	4711	5228	8 X “
0639	5822	3096	4171	3690	4117	5282	4711	5228	3960	5822	3096	1417	3690	1147	2528	1174	2258	6093	9 X “

EXERCISE 4

MACHINE SETUP Same as Exercise 1

<i>Card Columns</i>																			<i>Line #</i> ↓	
1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77	
1595	1595	5951	5951	1295	1295	5921	5921	1895	1895	5981	5981	1892	1892	2981	2981	8291	8291	1928	1 X	Release
3575	3575	5753	5753	3275	3275	5725	5725	3875	3875	5783	5783	3872	3872	2783	2783	8273	8273	3728	2 X	“
1575	1575	5751	5751	1275	1275	5721	5721	1875	1875	5781	5781	1872	1872	2781	2781	8271	8271	1728	3 X	“
3595	3595	5953	5953	3295	3295	5923	5923	3895	3895	5983	5983	3892	3892	2983	2983	8293	8293	3928	4 X	“
2486	2486	6842	6842	2864	2864	4682	4682	2684	2684	4862	4862	8246	8246	6428	6428	4268	4268	6482	5 X	“
1379	1379	9731	9731	1397	1397	7931	7931	1937	1937	7391	7391	1973	1973	3791	3791	1739	1739	9371	6 X	“
0102	0102	2010	2010	0304	0304	4030	4030	0506	0506	6050	6050	0708	0708	8070	8070	0900	0900	0090	7 X	“
1079	1079	9701	9701	1097	1097	7901	7901	1907	1907	7091	7091	1970	1970	0791	0791	1709	1709	9071	8 X	“
0014	0041	0025	0052	0036	0063	0047	0074	0058	0085	0069	0096	0017	0071	0028	0082	0039	0093	0070	9 X	“
0003	0030	0300	0060	0006	0900	0009	0002	0020	0700	0007	0040	0050	0500	0001	0008	0080	0400	0004	0 X	“

The following material consists of two parts. The first section is a series of payroll registers. Each line represents pertinent data for a single employee which must be recorded in punched hole form.

The second section, which is on the reverse side of the first section, consists of sample invoices from a wholesale grocery organization. From the invoices, sales

are to be analyzed, and for this purpose one card is to be punched for each item on the invoice.

These Payroll and Sales Exercises should not be assigned until the student has mastered the fundamental principles of Card Punch operations and the keyboard exercises.

The card formats for each section are shown below.

SALES ANALYSIS										CORPORATION		EMPLOYEE NAME		SOCIAL SECURITY NUMBER	EMPLOYEE NO.	RATE	DATE		HOURS			EARNINGS			DEDUCTIONS		NET EARNINGS	STATUS
INVOICE NO.	DATE	BRANCH	SALESMAN	CITY	STATE	CUST. NO.	QUANTITY	PRODUCT NO.	AMOUNT	COST AMOUNT	SECT.	DEPT.	CLOCK	NO.	DAY	REGULAR	OVER-TIME	TOTAL	REGULAR	OVER-TIME	GROSS	BASI	WITH. TAX	EARNINGS	STATUS			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		

PAYROLL SUMMARY

DATE 10/16

ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
MARY OAKDALE	F	439039875	06	336	850	400	52	452	3400	663	4063	3
RAY S VIVIAN	M	671258360	06	365	850	400	100	500	3400	1275	4675	4
ANNE HOSPODOR	F	247329362	06	454	1125	305		305	3431		3431	1
FRANK E ERLLENMEYER	M	100343834	06	458	1145	400	81	481	4580	1392	5972	4
HORTENSE SCULLINGER	F	169022151	06	605	890	400		400	3560		3560	1
JANE HILLOCK	F	282366417	06	652	1160	400	100	500	4640	1740	6380	2
JAMES T LEED	M	626673988	06	655	1030	400	53	453	4120	819	4939	4
PAUL K JACKSON	M	941345381	06	656	850	400	100	500	3400	1275	4675	4
ELSIE R GERSTEN	F	117132198	06	751	1025	400	100	500	4100	1538	5638	1
BARBARA WOLF	F	960792339	06	760	1025	400	99	499	4100	1523	5623	2
NORMA ADAMOWSKI	F	773603342	06	849	1140	400		400	4560		4560	1
POLLY PETERSON	F	221898831	06	859	850	400	63	463	3400	803	4203	1
PATRICIA P NEVENTI	F	884480050	06	861	1160	400	110	510	4640	1914	6554	1
JACK MOSHER	M	847497543	06	901	1025	400		400	4100		4100	4
JIM FITZGERALD	M	515048948	06	964	1140	400	112	512	4560	1915	6475	4
CHECK SUM		202167380	06	873	4734	094	29	124	40008	51422	515162	

PAYROLL SUMMARY

DATE 10/16

ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
FAY N HUYCK	F	250136455	07	122	675	336		336	2268		2268	4
VERONICA RAINES	F	242693161	07	413	675	400	55	455	2700	557	3257	2
MILDRED FOWLER	F	263282785	07	611	1085	400	82	482	4340	1335	5675	2
LOUIS WHEELER	M	233602524	07	707	650	400	105	505	2600	1024	3624	2
BEATRICE HRNCIRIK	F	140513354	07	716	1125	400	109	509	4500	1840	6340	2
DOROTHY FOSBURY	F	354403607	07	717	650	400	83	483	2600	809	3409	3
ELMER NETHERTON	M	744646639	07	724	650	400	100	500	2600	975	3575	4
JANE F MANN	F	260711269	07	816	650	400	100	500	2600	975	3575	2
WANDA L SCZYMANSKI	F	300067251	07	823	1100	400	53	453	4400	875	5275	1
FLORENCE CRUTTENDEN	F	115487255	07	827	650	400	53	453	2600	517	3117	1
MARTIN FORRESTER	M	321843040	07	910	1100	400	100	500	4400	1650	6050	2
JUDY CHAMBERLAIN	F	534245825	07	916	1100	400	53	453	4400	875	5275	3
HELEN HARKNESS	F	254421657	07	918	1190	400	110	510	4760	1964	6724	1
JOANNE KNICKERBOCKER	F	743964919	07	919	675	400	100	500	2700	1013	3713	1
LURA PEABODY	F	302202247	07	921	1190	400	81	481	4760	1446	6206	1
CHECK SUM		937778011	07	939	6834	0638	15	879	47771	41443	3191668	

PAYROLL SUMMARY

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ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE NO.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
WILSON WYCKLYCETT	M	814191632	09	128	850	400	53	453	3400	676	4076	6
JOE MANLEY	M	210014332	09	134	875	400	56	456	3500	735	4235	2
OLAF SWANSTROM	M	005099428	09	139	850	400	20	420	3400	255	3655	3
JOHN BASKODANNT	M	147146903	09	144	900	363		363	3267		3267	5
HELEN ROBERTS	F	005013757	09	149	950	400	110	510	3800	1568	5368	1
AMY SWACKHAMMER	F	410152102	09	234	660	400	116	516	2640	1148	3788	2
HAROLD L RAYBURN	M	511565628	09	235	1200	400	100	500	4800	1800	6600	3
JEFF K DAYTON	M	854385247	09	293	1200	400	147	547	4800	2646	7446	2
ORTIS VLIETHAMMER	M	281132182	09	297	990	400	55	455	3960	817	4777	2
GLADYS BISBEE	F	312403880	09	321	920	400	80	480	3680	1104	4784	2
IONE FLORCZAK	F	234564115	09	393	750	400	56	456	3000	630	3630	2
HELEN OBENHALTZER	F	280333914	09	422	690	400		400	2760		2760	1
FREDA BICKNELL	F	325195247	09	510	1150	400	100	500	4600	1725	6325	2
DORA MAY BENTON	F	145215234	09	518	920	400	100	500	3680	1380	5060	1
ELLEN C BERLIN	F	370342652	09	549	925	400	112	512	3700	1555	5255	1
CHECK SUM		093243746	09	533	6169	036894		9314	50123	9602	897364	

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ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
EDNA PRUEMERS	F	004099460	100	0771	200	400	80	480	4800	1440	6240	1
HERMAN PORTER	M	445753066	103	41	830	400	83	483	3320	1033	4353	4
BENJAMIN ECKERT	M	306072457	104	48	850	367		367	3120		3120	4
WALTER PHIPPS	M	259472593	105	59	840	400	151	551	3360	1903	5263	4
GLENFORD HUFFORD	M	316792784	105	87	950	400	80	480	3800	1140	4940	1
HAROLD MORTON	M	113112127	105	95	1230	398		398	4895		4895	5
THELMA LEE TIERNO	F	134651379	106	06	650	400	110	510	2600	1073	3673	2
HORACE G ROTELLA	M	389619658	106	57	1030	400	35	435	4120	541	4661	4
JULIA VAN CAMP	F	666423219	106	61	1200	400	100	500	4800	1800	6600	1
JESSE G ULDRICH	M	110304602	107	45	750	400	100	500	3000	1125	4125	3
LEAH UNSWORTH	F	137222530	107	65	950	400		400	3800		3800	1
CLAUDE E LISTERRE	M	489212122	107	81	1180	400	100	500	4720	1770	6490	1
HAZEL PERRY	F	849021026	107	97	750	400	185	585	3000	2081	5081	2
VENETTA PARSONS	F	072457389	108	42	865	400	110	510	3460	1428	4888	1
IRA VANDERLIP	M	389138987	108	43	960	400	45	445	3840	648	4488	1
CHECK SUM		316646600	106	95	5764	034	820	855	43364	40172	738264	

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ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
BETTY HARRISON	F	232787340	11	278	875	400	108	508	3500	1418	4918	1
CLAUDIA WILLIAMS	F	251085280	11	375	1150	400	56	456	4600	966	5566	2
LOUIS MARTIN	M	215602927	11	386	935	400	110	510	3740	1543	5283	2
WILLIAM RADULOVIC	M	691959817	11	477	1100	400	130	530	4400	2145	6545	2
MARIE SCALA	F	929242927	11	479	825	400	55	455	3300	681	3981	1
ARLENE SHEPARD	F	528493758	11	483	870	400	80	480	3480	1044	4524	2
ALBERT POLANSKI	M	141226812	11	488	1100	400	55	455	4400	908	5308	2
ERNESTINE MARTIN	F	385143756	11	489	1150	400	81	481	4600	1397	5997	2
PATRICK LANERT	M	386764772	11	492	975	400	100	500	3900	1463	5363	3
GILBERT OBENAUER	M	197313594	11	581	1150	400		400	4600		4600	5
LEONARD WHITMAN	M	295418445	11	585	925	393		393	3635		3635	2
STEPHEN ORR BELL	M	643255431	11	674	940	400	100	500	3760	1410	5170	2
GARY MALLORY	M	434837455	11	680	940	400	86	486	3760	1213	4973	4
IRENE DRISCOLL	F	418245504	11	684	875	400	55	455	3500	722	4222	2
MADILYN DEKKER	F	521294192	11	690	950	345		345	3278		3278	1
CHECK SUM		727327989	11	1585	239	061	983	454	41546	50892	66366	6

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ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
VIOLA WEBBETT	F	195618152	13	352	735	400	86	486	2940	949	3889	1
ALICE HAINES	F	231933302	13	358	1060	400	100	500	4240	1590	5830	1
ANDREW HARRICK	M	802283325	13	372	1185	400		400	4740		4740	6
DORIS PRAGACZ	F	716327343	13	381	1060	400	63	463	4240	1002	5242	2
GRATIA VAN AUKEN	F	325013009	13	397	1215	400	102	502	4860	1859	6719	1
BESSIE BEARDSLEE	F	336954734	13	409	1210	400	80	480	4840	1452	6292	1
MABEL CHAPMAN	F	210089232	13	412	730	400	55	455	2920	602	3522	2
VIRGINIA M DZUBA	F	884824848	13	417	735	400	100	500	2940	1103	4043	1
RUBY BENSON	F	065490026	13	426	1180	400	81	481	4720	1434	6154	1
SHIRLEY CAPELAND	F	004794823	13	453	915	400	119	519	3660	1634	5294	1
MARION L HUBBARD	F	253842690	13	495	925	400	28	428	3700	389	4089	3
MAYNARD O ALLEN	M	800186697	13	497	1250	400	56	456	5000	1050	6050	4
SALLY M LINCOLN	F	394545239	13	500	625	400	100	500	2500	938	3438	1
ARCHIE MANGANNINI	M	737026274	13	517	675	400	100	500	2700	1013	3713	4
CECIL V COREY	F	302263242	13	796	1200	400	100	500	4800	1800	6600	1
CHECK SUM		738807063	13	2175	299	999	829	8294	41199	31842	438469	

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ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
NANCY ZARZYNSKI	F	101185410	162	24	1035	400	100	500	4140	1553	5693	1
JOAN LOUAH	F	318125118	162	39	930	400	170	570	3720	2372	6092	2
NANCY PALMER	F	371099643	162	44	1140	400	80	480	4560	1368	5928	1
PHIL MAC INTYRE	M	033911318	162	46	1037	400	52	452	4148	809	4957	1
BILL APLEGATE	M	641710440	162	47	1140	400		400	4560		4560	4
BILL GRAVES	M	311109848	162	51	1140	400	82	482	4560	1402	5962	3
ELSIE BILLINGS	F	218155919	162	70	750	400	55	455	3000	619	3619	1
CHARLES LAMOKE	M	990011817	162	71	938	400	105	505	3752	1477	5229	2
RAY T ROYCE	M	058164334	162	72	1030	400	55	455	4120	850	4970	3
ALLIE ENSCO	F	135189734	162	76	1035	400	190	590	4140	2951	7091	1
PAT MC DAID	M	009486772	163	50	1150	400	82	482	4600	1415	6015	4
JACK VAN REYPEN	M	100781648	163	61	1150	400	100	500	4600	1725	6325	2
JACK WEINLANDER	M	217113368	163	63	750	400	85	485	3000	956	3956	3
BURTHA MICHLER	F	125016551	163	77	750	400	100	500	3000	1125	4125	1
TERRY SCHERMERHORN	M	004108274	163	78	725	400	83	483	2900	903	3803	1
CHECK SUM		364829805	166	305	299	999	660	660	41199	4742	2167469	

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ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
ROBERT HUMPHREY	M	601598945	17	312	1125	400	86	486	4500	1452	5952	4
HORACE DEITRICK	M	002660401	17	407	1200	400	190	590	4800	3420	8220	1
CLAYTON BROWNING	M	987659800	17	445	675	400	15	415	2700	152	2852	1
GARLAND CHAUNCEY	M	656765133	17	470	750	400	114	514	3000	1283	4283	3
HOWARD BATEMAN	M	442807598	17	513	1150	400	80	480	4600	1380	5980	4
DONALD LENNOX	M	886247906	17	516	750	400	80	480	3000	900	3900	5
PHILIPP WINTERMUTE	M	458878330	17	607	675	400		400	2700		2700	3
GENE L GASPAROVIC	M	071909803	17	608	1200	396		396	4752		4752	3
ALEX DURANG	M	159774387	17	640	1200	400	25	425	4800	450	5250	6
CARL BENJAMIN	M	767711562	17	706	1125	400	100	500	4500	1688	6188	1
STEPHEN KEATING	M	698492092	17	714	960	400	53	453	3840	763	4603	2
WILLIAM FINLAYSON	M	122286640	17	770	750	400	35	435	3000	394	3394	1
ALBERT ALBERTSON	M	490750232	17	804	1125	400	100	500	4500	1688	6188	2
MAX EISENSTEIN	M	159845624	17	805	750	400	81	481	3000	911	3911	5
VANCE WHITTEMORE	M	260712913	17	948	725	400	100	500	2900	1088	3988	3
CHECK SUM		231898633	17	7345	839	003	940	944	43407	44302	783855	

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ENTRY 3

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
NELLIE KENNEDY	F	704351598	18	310	775	400	50	450	3100	582	3682	1
GEORGE DAVIDS	M	397721546	18	311	800	400		400	3200		3200	1
JOSEPHINE SHARP	F	248819169	18	328	1055	400	100	500	4220	1583	5803	2
HARRIET RUDDICK	F	284413873	18	334	1050	400	100	500	4200	1575	5775	2
EDWARD BRIALE	M	520445246	18	396	950	400	35	435	3800	499	4299	2
RONALD PANEGGER	M	524381669	18	401	620	400	59	459	2480	549	3029	2
EDGAR GOODMAN	M	455493425	18	406	780	400	110	510	3120	1287	4407	4
JOSEPH HOUFFMAN	M	850361635	18	420	1050	400	35	435	4200	551	4751	6
LOUISE RYAN	F	334178545	18	450	950	367		367	3487		3487	2
ALBERT F ROMANCHICK	M	523108915	18	501	880	400	35	435	3520	462	3982	2
ELIZABETH STEVENS	F	910805458	18	502	725	400	50	450	2900	544	3444	1
OLIVIA HAYES	F	214626713	18	505	880	400	117	517	3520	1544	5064	1
CATHERINE STIMAK	F	498736173	18	599	880	400	83	483	3520	1096	4616	1
BEATRICE FISHER	F	125320752	18	603	950	400	100	500	3800	1425	5225	1
BEVERLY ROBERTS	F	941065261	18	609	750	367		367	2753		2753	1
CHECK SUM		466170021	18	3246	904	065	125	191	481798	3023	3648270	

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 ENTRY

EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
HELEN WHITNEY	F	417055661	21	151	800	400	37	437	3200	444	3644	1
GRACIA HAKE	F	051099333	21	152	950	288		288	2736		2736	1
BILL T BAVER	M	360752040	21	154	1050	400	50	450	4200	788	4988	2
NANCY STEELE	F	561076757	21	155	950	400	67	467	3800	955	4755	1
BLAKE MOSCOWITZ	M	351013455	21	156	875	400	58	458	3500	762	4262	3
BLANCHE GOODFELLOW	F	741253457	21	157	1025	400	100	500	4100	1538	5638	2
GERTRUDE SHRAM	F	100227848	21	177	780	400	123	523	3120	1439	4559	1
CORRINE MISCHUK	F	343408153	21	181	1280	389		389	4979		4979	1
BRUCE HALLETH	M	130043614	21	182	800	400	57	457	3200	684	3884	4
JANET THOMASSON	F	211705424	21	186	750	400	100	500	3000	1125	4125	1
RUTH RUMMEL	F	078086134	21	198	680	400	110	510	2720	1122	3842	1
HILDA TILTON	F	007798179	21	202	1020	400		400	4080		4080	1
DON LEINBACK	M	878099428	21	210	950	400	112	512	3800	1596	5396	5
ELLEN ENGLISH	F	939083950	21	667	940	400	82	482	3760	1156	4916	4
WERDINA PERBACK	F	150281113	21	883	1025	400	103	503	4100	1584	5684	2
CHECK SUM		679015453	21	1886	6124	122		123	4570	4680	6325	1169

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
ALLEN M WAGNER	M	489501971	23	280	1050	400	110	510	4200	1733	5933	3
THOMAS LEVINE	M	927424982	23	323	837	285		285	2385		2385	5
JOAN EDWARDS	F	527682644	23	329	920	400	100	500	3680	1380	5060	2
AGNES SCHNEBBE	F	913114428	23	335	1160	400	200	600	4640	3480	8120	2
ROBERT E RHUMAN	M	142413024	23	340	900	400	54	454	3600	729	4329	3
BERNARD KING	M	435155250	23	402	1020	400	100	500	4080	1530	5610	1
JUNE D VRONSKI	F	658238550	23	419	1160	400	28	428	4640	487	5127	1
SILAS DRAKE	M	523571860	23	442	1025	400	100	500	4100	1538	5638	3
JANE MILLER	F	841874920	23	506	900	400	25	425	3600	338	3938	1
FRANK JACKSON	M	718781520	23	509	920	400	110	510	3680	1518	5198	1
FLORENCE STONE	F	943255274	23	532	900	400	89	489	3600	1202	4802	2
CONNIE SKEIRIK	F	107753029	23	538	825	400	106	506	3300	1312	4612	1
MARTHA O MALLY	F	792912963	23	721	925	400	100	500	3700	1388	5088	2
EVELYN PLUNE	F	625204145	23	730	760	400	50	450	3040	570	3610	2
JANET PIERCE	F	781287072	23	739	1160	400		400	4640		4640	3
CHECK SUM		571828367	23	854	5537	114	827	942	4311	4279	425909	67

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
HOWARD CLARK	M	718449160	26	022	1000	400	93	493	4000	1395	5395	3
MABLE BISHOP	F	001269406	26	314	840	400	25	425	3360	315	3675	3
MARGE B CONTRA	F	511114190	26	408	850	400	130	530	3400	1658	5058	1
ANGELO WATERMAN	M	419791824	26	504	833	400	118	518	3332	1475	4807	1
CHARLES EDMUNDS	M	860196254	26	520	925	400		400	3700		3700	3
NATHAN MARSH	M	771683209	26	540	930	392		392	3646		3646	3
THERESA DARLING	F	252012143	26	610	1000	400	100	500	4000	1500	5500	1
ALTA A VERYONNE	F	920512521	26	618	1030	400	100	500	4120	1545	5665	1
CLARA T HAMLIN	F	555175306	26	624	1100	400	100	500	4400	1650	6050	1
MAY L SPETIGUE	F	090300771	26	703	875	400	100	500	3500	1313	4813	1
LAURA ECKLER	F	700755271	26	715	1050	400	113	513	4200	1780	5980	2
GRACE V DOANE	F	479725933	26	729	1250	400	56	456	5000	1050	6050	2
GINGER LOVENTRITT	F	496181497	26	801	675	400	51	451	2700	517	3217	1
STUART G BAILEY	M	022449425	26	802	825	400	25	425	3300	310	3610	1
ALFRED CLARK	M	680126718	26	809	1200	400	25	425	4800	450	5250	1
CHECK SUM		520256371	26	2805	5616	007	963	971	42541	50412	758374	

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
CAROL BURSWEILER	F	418169438	28	029	1100	400	50	450	4400	825	5225	1
OLIVER TWIST	M	164054595	28	121	650	400	110	510	2600	1073	3673	9
SALLY BENKE	F	321018321	28	125	1100	400	25	425	4400	413	4813	2
ALDYTH VAN CAMP	F	211520926	28	130	850	400	125	525	3400	1594	4994	1
JACK MURTHA	M	210182208	28	131	1230	337		337	4145		4145	3
JANET CARLSON	F	136253104	28	132	655	400		400	2620		2620	1
BARBARA BLAKE	F	100819731	28	133	700	400	26	426	2800	273	3073	2
HORANCE R ADDINGTON	M	010232779	28	137	1100	400	30	430	4400	495	4895	9
ACE ISRAELSON	M	518345624	28	140	850	400	103	503	3400	1313	4713	6
NILS FAULKNER	M	641012209	28	141	920	400	110	510	3680	1518	5198	2
JIM T FLORCZAK	M	291901915	28	142	875	378		378	3308		3308	3
JACK CONALDSON	M	144199828	28	143	875	400	56	456	3500	735	4235	4
GEORGE EITEL	M	125044120	28	145	1200	400	125	525	4800	2250	7050	1
BOB SHANNON	M	631189727	28	146	925	400	150	550	3700	2082	5782	5
NAT P RAUBENSTEIN	M	135140927	28	150	850	400	30	430	3400	383	3783	2
CHECK SUM		940914547	28	054	6119	084	59	144	45446	7045	32492	48

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
PEGGY B ELLISONE	F	137015312	31	172	1250	400	100	500	5000	1875	6875	1
ROSEMARY CURREL	F	138030123	31	173	1327	400		400	5308		5308	2
ISABELLE REED	F	154027668	31	175	680	400	56	456	2720	571	3291	2
ELEANOR CLARK	F	153055435	31	176	725	400	100	500	2900	1088	3988	2
FREDERICK JORDON	M	187062546	31	179	1150	400	170	570	4600	2933	7533	2
RUTH TOMPKINS	F	201044753	31	180	835	400	56	456	3340	702	4042	2
GERTRUDE HODGES	F	115123639	31	183	975	400	33	433	3900	483	4383	1
GENNA A AMSTOLLI	F	136144102	31	185	1000	400		400	4000		4000	1
ABIGAIL TURNER	F	135019101	31	189	940	400	100	500	3760	1410	5170	1
KATHLEEN HOPKINS	F	134011545	31	191	940	400	123	523	3760	1734	5494	1
JUNE ROBINSON	F	133018913	31	192	1090	400	100	500	4360	1635	5995	1
SANDRA HOPEWEATHER	F	015012845	31	193	940	400		400	3760		3760	1
ELLA JONES	F	136108975	31	194	1095	400	69	469	4380	1134	5514	2
JANET HOFFMAN	F	017129112	31	194	1000	400	81	481	4000	1215	5215	1
NORA CHAMBERLAIN	F	147128375	31	195	1265	400	87	487	5060	1651	6711	2
CHECK SUM		061067555	31	228	4787	999	924	924	39151	13568	22720	77

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE NO.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
SUE CAROLSON	F	206845432	35	253	920	400	123	523	3680	1697	5377	1
EDITH STRNOTKI	F	721059620	35	254	660	400	105	505	2640	1040	3680	1
RALPH L ECONOMIDES	M	520223100	35	255	790	400	120	520	3160	1422	4582	3
PHYLIS CREST	F	606197411	35	256	810	400	120	520	3240	1458	4698	2
PATRICIA MORRISON	F	113704001	35	257	710	394		394	2797		2797	1
CLARA SEXSON	F	280091008	35	342	1010	400	100	500	4040	1515	5555	2
KARL REBER	M	370184340	35	346	1060	400	116	516	4240	1844	6084	7
HELEN RINFRETT	F	210195242	35	349	875	400	124	524	3500	1628	5128	1
BERTHA ANDERSON	F	005221996	35	441	920	400	128	528	3680	1766	5446	1
LAWRENCE SIMMONS	M	450804315	35	447	790	400	100	500	3160	1185	4345	5
NEIL THOMAS	M	814013684	35	452	1066	400	180	580	4264	2878	7142	9
JOHN QUINCY	M	420221298	35	544	790	400	110	510	3160	1304	4464	2
EDITH LANZARA	F	220412211	35	548	825	385		385	3176		3176	1
MORTON STROUD	M	312703342	35	550	935	400	100	500	3740	1403	5143	3
PAULA TYGERT	F	414075244	35	630	950	400	55	455	3800	784	4584	2
CHECK SUM		334047755	35	075	6888	020	518	5394	7722	752	7798	58

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
KARL F SCHWARTZ	M	420673040	37	178	1050	400	80	480	4200	1260	5460	7
CATHERINE PALMER	F	035016734	37	187	650	400	59	459	2600	575	3175	1
JUDITH P PHILLIPS	F	216126667	37	188	650	400	106	506	2600	1034	3634	2
ETTA LACY	F	147094310	37	190	1080	400	50	450	4320	810	5130	2
BRENDA L PRICE	F	601032951	37	199	1250	400	100	500	5000	1875	6875	1
SALLY CHRISTENSEN	F	153017983	37	201	1150	400	140	540	4600	2415	7015	1
BEATRICE WILLIAMS	F	136105295	37	203	775	400	26	426	3100	302	3402	2
PRISCILLA THOMPSON	F	135016241	37	204	685	400	28	428	2740	288	3028	1
MARY W BARTZAK	F	136122970	37	206	1150	400	20	420	4600	345	4945	2
PATRICIA VLIET	F	211049674	37	207	850	400	110	510	3400	1403	4803	1
LILLIAN POPE	F	114105309	37	208	1200	400	58	458	4800	1044	5844	1
GLENN F LEVY	M	114015309	37	209	675	400	104	504	2700	1054	3754	2
MARIE WALSH	F	135108954	37	211	850	400		400	3400		3400	2
JOAN CHAUDLER	F	137143345	37	215	1050	400	100	500	4200	1575	5775	1
SYLVIA TOWNLEY	F	136121005	37	219	750	400	53	453	3000	596	3596	1
CHECK SUM		172250212	37	974	6184	999	965	965	44739	5423	30163	72

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
HELEN ROBINS	F	530117343	39	359	680	400	55	455	2720	561	3281	1
DOROTHY BUSH	F	111908416	39	360	1130	400	147	547	4520	2492	7012	1
DICK GRAY	M	100117940	39	364	1130	400		400	4520		4520	9
CAROL FOSTER	F	513412682	39	368	735	400	116	516	2940	1279	4219	1
JOHN STICKLEY	M	147122080	39	370	2050	383		383	7852		7852	2
STEPHEN L HOLLIS	M	318066201	39	461	685	400	80	480	2740	822	3562	7
JOYCE BROWNING	F	203906070	39	464	680	400	100	500	2720	1020	3740	1
ANNE BURBANK	F	238275613	39	467	680	400	170	570	2720	1734	4454	1
STANLEY WILSON	M	714810202	39	471	680	400	100	500	2720	1020	3740	2
JACK HARRIS	M	820734223	39	566	970	400	55	455	3880	800	4680	9
ELLEN SMITH	F	837191209	39	569	820	400	100	500	3280	1230	4510	1
DON C BOUCOUNIS	M	504752117	39	573	1130	400	87	487	4520	1475	5995	2
JEFF PATTERSON	M	324422007	39	658	770	400	100	500	3080	1155	4235	4
SYLVIA SOCHOR	F	420259650	39	662	1220	400	55	455	4880	1007	5887	1
FRED STONE	M	630481493	39	665	670	400	108	508	2680	1085	3765	3
CHECK SUM		584422753	39	622	5969	016	726	743	44227	43192	2854754	

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
REGINALD HOPPS	M	100233645	402	451	1140	400	100	500	4560	1710	6270	5
ANN THURMAN	F	010308459	402	731	1240	400	55	455	4960	1023	5983	2
DON L BENCOVIC	M	121090926	402	74	750	400	100	500	3000	1125	4125	2
JENNIFER PETERS	F	201269878	402	86	750	400	100	500	3000	1125	4125	1
PHOEBE PHILLIPS	F	501633856	402	871	1110	383		383	4251		4251	1
MARY JANE RUSSELL	F	410116289	402	89	960	400	106	506	3840	1526	5366	1
LUCIA STAGG	F	830229764	402	902	2000	400	80	480	8000	2400	10400	2
MARGE SCHWARZ	F	940108656	403	001	1230	400	66	466	4920	1218	6138	1
ROXANNE TWITCH	F	034788772	403	191	1110	400	50	450	4440	833	5273	1
JEAN HENEGAN	F	099233636	403	301	1140	400	100	500	4560	1710	6270	1
RENE SNYDER	F	441821915	403	51	865	400	90	490	3460	1168	4628	2
CONNIE DORAN	F	056789835	403	761	1700	399		399	6783		6783	2
MARILYN GRIM	F	144175432	403	79	740	400	104	504	2960	1154	4114	2
CORRINE AMBULARIO	F	040904651	403	80	775	379		379	2937		2937	1
PAT R DE LAVAL	M	101195421	403	831	1225	400	65	465	4900	1195	6095	1
CHECK SUM		966098864	402	373	264	038	983	223	33428	3812	1724174	

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
NORMA CUSTER	F	240302488	42	3692	800	400	55	455	11200	2310	13510	3
ESTER MC HUGH	F	225961864	42	4041	250	400	55	455	5000	1031	6031	1
LUCY S PICKERING	F	083361113	42	421	950	400		400	3800		3800	2
CLIFFORD DON EDDY	M	082712026	42	472	650	393		393	2555		2555	3
EMILY SIBLEY	F	201212821	42	507	920	400	90	490	3680	1242	4922	1
GILBERT JOHN WADE	M	830211348	42	5121	280	400	116	516	5120	2227	7347	3
ETHEL SWEET	F	769071293	42	563	725	400	83	483	2900	903	3803	1
LOLITA S SAGENDORFF	F	186392215	42	6011	030	400	100	500	4120	1545	5665	1
HARVEY J RIVENBURG	M	942391348	42	663	650	400	80	480	2600	780	3380	3
VERNA SCARWELL	F	130202023	42	702	900	400	81	481	3600	1094	4694	1
PRISCILLA MC GILL	F	623182486	42	710	920	400	114	514	3680	1573	5253	1
CORRINE L TABER	F	711692520	42	749	830	400	59	459	3320	735	4055	3
GRACE PITLER	F	034202488	42	7691	150	400	100	500	4600	1725	6325	2
LELAND VAN COTT	M	615221003	42	808	900	235		235	2115		2115	4
MILDRED WELCH	F	255882018	42	826	630	400	100	500	2520	945	3465	3
CHECK SUM		068000945	42	9234	414	171	966	1383	39189	38892	2307967	

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
EUGENE L BENNET	M	135018459	44	001	1010	400		400	4040		4040	4
ROGER G FRALENBURG	M	123549764	44	004	1025	400	33	433	4100	508	4608	4
GERTRUDE NEISSON	F	136024554	44	005	1050	400	100	500	4200	1575	5775	1
MARY FRANCES CLARK	F	106304937	44	006	1350	400	200	600	5400	4050	9450	1
NORBERT BARNES	M	130520926	44	008	920	400	100	500	3680	1380	5060	8
RUSSELL O JONES	M	149014620	44	009	1000	363		363	3630		3630	1
HOWARD JOHN GROVES	M	221103961	44	011	1075	400	52	452	4300	839	5139	3
MARY VALDA COOK	F	044302813	44	012	1025	343		343	3516		3516	1
JOHN VAN WAGNER	M	150139910	44	014	1400	400		400	5600		5600	5
RICHARD B CRANE	M	007483105	44	018	1025	400	52	452	4100	800	4900	1
WILLIAM CARRIGAN	M	010255735	44	023	1150	400	50	450	4600	863	5463	3
RUTH M TRIEDT	F	364101915	44	032	1000	340		340	3400		3400	1
CLAIRE RUTH KNIGHT	F	206821046	44	033	1100	355		355	3905		3905	1
THOMAS N PORTER	M	135102294	44	038	1200	400	75	475	4800	1350	6150	4
VERONICA WELDON	F	525526104	44	866	925	400	80	480	3700	1110	4810	1
CHECK SUM		554729856	44	919	3744	198	257	456	37028	75242	455360	

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE No.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
HERBERT KENNEDY	M	056131484	49	0361	180	400		400	4720		4720	4
SIDNEY EYER	M	034111693	49	1011	200	400	125	525	4800	2250	7050	3
DONALD DUROCHER	M	044107718	49	102	945	205		205	1937		1937	5
RICHARD MCLEAN	M	004101032	49	1061	425	339		339	4831		4831	4
MABLE BENNETT	F	040119898	49	1091	200	400		400	4800		4800	1
RUTH PRESTON	F	098086421	49	1101	125	375		375	4219		4219	1
LUCY MASON	F	072121518	49	1111	000	400	86	486	4000	1290	5290	1
MARTHA GILBERT	F	171017858	49	1121	235	400	130	530	4940	2409	7349	1
GEORGE VAIR	M	038092132	49	1131	050	227		227	2384		2384	9
DONALD POST	M	144018347	49	115	745	400	95	495	2980	1062	4042	4
VERNON LOVERMORE	M	078012804	49	1161	870	400	87	487	7480	2440	9920	2
ROBERT LANNI	M	012171932	49	117	825	400	100	500	3300	1238	4538	3
WILLIAM FISHER	M	009019438	49	118	980	400	55	455	3920	809	4729	5
JAMES AXT	M	141156117	49	119	745	326		326	2429		2429	3
ARTHUR LANDERS	M	002179835	49	1201	180	400	120	520	4720	2124	6844	4
CHECK SUM		055551772	49	3943	294	527	201	7293	8539	63772	491749	

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EMPLOYEE	SEX	SOCIAL SECURITY NUMBER	EMPLOYEE NO.		RATE	HOURS			EARNINGS			TAX STATUS
			DEPT.	CLOCK		REG.	O. T.	TOTAL	REGULAR	OVERTIME	TOTAL	
RUTH MARIE THORP	F	212042013	51	339	1025	400	55	455	4100	846	4946	1
ELSIE COURT	F	236129102	51	560	950	400		400	3800		3800	2
BERNICE HANRAHAN	F	102756014	51	565	725	400	80	480	2900	870	3770	1
VIRGINIA HAKES	F	437172286	51	571	1025	400	121	521	4100	1861	5961	1
ESTER STEVENS	F	724141190	51	636	1025	398		398	4080		4080	2
CARRIE BEECHER	F	844381101	51	641	875	400	100	500	3500	1313	4813	1
RITA FINDLAY	F	615531529	51	666	850	400	60	460	3400	765	4165	2
ALICE BREWER	F	611180089	51	732	825	400	82	482	3300	1015	4315	1
LYDIA BRIGHAM	F	727158749	51	740	1150	400	87	487	4600	1501	6101	1
DONALD BYRNE	M	791263103	51	764	725	400	52	452	2900	566	3466	2
BERTHA J ALLYN	F	411799208	51	833	750	400	143	543	3000	1609	4609	1
RODNEY PURCELL	M	420832161	51	834	900	400		400	3600		3600	5
MICHAEL G HADAMICK	M	699104184	51	850	900	400	110	510	3600	1485	5085	3
LILLIAN FARRELL	F	219241007	51	871	900	400	103	503	3600	1391	4991	2
EMMA CASEY	F	211899876	51	900	825	400	118	518	3300	1461	4761	1
CHECK SUM		735368387	51	497	6549	001	888	890	46219	53163	253673	

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42401

INVOICE DATE 1/8

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
23	98	126	44	87631

SOLD TO

New York Stores, Inc.
1026 Madison Avenue
New York, N. Y.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F O B ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
70	SWEET POTATOES	23912	2.10	147.00	95.56
27	FLY PAPER	65393	2.20	59.40	CR 38.60
80	MACARONI	12513	1.25	100.00	85.00
28	AMERICAN CHEESE	14008	.51	14.28	9.46
90	PRUNES	23735	2.80	252.00	216.10
200	COFFEE	45263	2.88	576.00	349.75
29	CHOW CHOW	23207	.34	9.86	8.44
1	ZINC BUCKET	65996	9.60	9.60	CR 8.38
16	BROOMS	65135	3.10	49.60	CR 44.90
40	CIDER	19216	1.40	56.00	36.35
21	KETCHUP	34464	1.88	39.48	37.07
12	NOODLES	1255	1.25	15.00	CR 13.50
14	DOG BISCUITS	73335	4.50	63.00	56.95
50	LYE	63504	.64	32.00	28.80
150	CONDENSED MILK	76272	2.60	390.00	380.75
176	COCOA	46257	.80	140.80	133.00
130	PAPRIKA	43632	.60	78.00	74.68
20	CRACKERS	48312	3.10	62.00	55.70
30	TAPIOCA	50927	3.65	109.50	102.60
15	BEANS	58080	1.65	24.75	21.25
80	PEPPER	43672	.55	44.00	39.65
97	NUTMEG	43560	.92	89.24	81.19
140	SALT BUTTER	14785	7.50	1,050.00	68.35
50	SWISS CHEESE	14920	.33	16.50	CR 10.72
70	PEAS	58664	2.15	150.50	128.00
		41314			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42402

INVOICE DATE 1/8

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
15	21	124	20	90493

SOLD TO

Chicago Grocery Co.
2026 S. State St.
Chicago, Ill.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
96	COCOA 46257	.83	79.68	71.60
7	LEMON EXTRACT 44473	.89	6.23	5.98
6	MAPLE SYRUP 53521	2.35	14.10 CR	9.87
37	SALT BUTTER 14785	.39	14.43 CR	9.41
15	SWEET BUTTER 14889	.46	6.90	4.47
35	PRUNES 23735	2.80	98.00	83.30
8	APRICOTS 22048	3.70	29.60	25.90
9	APPLES 22039	4.70	42.30	27.58
10	CEYLON TEA 45169	4.80	48.00	43.23
11	SODA CREAM 36832	.75	8.37	5.36
9	AMMONIA 63015	.93	16.62 CR	10.80
10	MATCHES 65537	.94	9.40	8.50
6	OLIVES 31600	1.90	11.40	9.03
37	DATES 21328	.80	29.60	19.24
12	FIGS 21376	.90	10.80	7.10
13	PEAS 58664	2.15	27.95	25.27
14	CORN 23289	2.40	33.60	28.28
20	EVAPORATED MILK 76368	3.00	60.00	55.80
1000	SPINACH 23848	.12	120.00	102.00
16	APPLE SAUCE 22032	1.60	25.60	21.78
17	FLOUR 11383	8.10	137.70	131.40
40	RAISINS 21744	.54	21.60 CR	17.28
50	STOVE BLACK 66864	.09	4.50 CR	4.27
20	ANIMAL CRACKERS 48024	.50	10.00	9.50
60	FLY PAPER 65393	.76	45.60	43.79
	44213			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42403

INVOICE DATE 1/8

SALES		CITY	ST.	CUST. NO.
BR.	S'MN.			
62	54	137	4	28001

SOLD TO

Reno Stores, Inc.
15 E. Front St.
Reno. Nevada

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
20	RICE	58751	.86	17.20	13.75
125	ONIONS	20583	.17	21.25	18.11
87	PRUNES	23735	2.80	243.60	194.56
88	DRIED PEACHES	52359	1.20	105.60	78.75
107	SPAGHETTI	12855	1.25	133.75	119.80
30	GINGER SNAPS	48424	3.50	105.00	82.60
9	FLOUR	11383	8.10	72.90	68.49
36	POTATOES	20704	.29	10.44	6.77
15	MATCHES	65537	2.70	40.50	38.45
170	SWEET POTATOES	23912	2.90	493.00	321.00
27	FLY PAPER	65393	2.20	59.40 CR	56.75
180	MACARONI	12513	1.25	225.00	191.10
28	AMERICAN CHEESE	14008	.80	22.40	14.57
160	COFFEE	45263	2.88	460.80	322.50
29	CHOW CHOW	23207	.34	9.86 CR	8.39
9	ZINC BUCKETS	65996	9.60	86.40	77.87
31	BROOMS	65135	1.30	40.30	36.60
250	CIDER	19216	1.40	350.00	227.80
25	KETCHUP	34464	1.88	47.00	42.32
12	NOODLES	12552	.83	9.96	8.46
5	DOG BISCUITS	73335	4.50	22.50	19.14
70	PEAS	58664	2.15	150.50	128.00
96	FIGS	21376	.52	49.92 CR	32.19
25	DATES	21328	8.30	207.50	178.74
5	OLIVES	31600	8.40	42.00	27.24

02293

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42404

INVOICE DATE 1/8

SALES		CITY	ST.	CUST. NO.
BR.	S'MN.			
24	81	666	22	16784

SOLD TO Houston Stores Inc.
880 Gulf Blvd.
Houston, Texas

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F O B ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
7	GINGER SNAPS 48424	3.50	24.50	19.58
78	PRETZELS 48720	.10	7.80	6.24
30	GELATINE 49408	1.45	43.50 CR	34.78
10	TOMATO SOUP 74943	1.70	17.00	14.42
200	PORK & BEANS 27697	3.05	610.00	518.00
10	SALMON 38776	2.80	28.00	23.75
520	LEMON SODA 36480	.75	390.00	253.50
20	POWDERED SUGAR 79712	9.50	190.00	180.50
9	WAX PAPER 15989	6.40	57.60 CR	51.90
150	VANILLA 44973	.90	135.00	87.76
79	STOVE BLACK 66864	.60	47.40	42.61
80	ANIMAL CRACKERS 48024	.61	48.80	31.65
360	BUTTER SALT 57152	.18	64.80	55.10
370	FLOUR 11383	2.75	1,017.50	850.00
40	SWEET OIL 31905	.24	9.60 CR	6.24
50	NUTMEG 43560	.55	27.50	24.78
380	COFFEE 45263	2.88	1,094.40	711.00
10	OATMEAL CRACKERS 48489	6.70	67.00	43.55
70	CELERY 20161	1.10	77.00	50.00
156	VEGETABLE SOUP 74965	2.00	312.00	266.70
30	CRACKER DUST 10304	.55	16.50 CR	14.10
310	COCOA 46257	.83	257.30	232.75
265	PICKLES 32680	1.81	479.65	311.20
740	POTATOES 20704	.47	347.80	278.50
50	CORN 23289	2.40	120.00	102.10
	46122			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY
REQUISITION NO.

REFER TO
INVOICE NO.

INVOICE DATE

42406

1/8

SALES		CITY	ST.	CUST. NO.
BR.	SM'N.			
34	42	189	21	92380

**SOLD
TO**

Interstate Stores
5000 Connecticut Ave.
Washington, D. C.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
18	SALMON	38776	2.80	50.40	42.78
19	SARDINES	38792	1.13	21.47	18.26
60	TUNA FISH	38951	2.88	172.80	146.80
39	PINEAPPLE	22687	3.10	120.90	102.68
20	APPLE SAUCE	22032	1.60	32.00	27.25
22	MACARONI	12513	1.25	27.50	23.39
70	SWEET CHOCOLATE	47896	.50	35.00	29.78
10	FRUIT SALAD	22400	5.60	56.00	47.60
23	LYE	63504	.50	11.50	10.35
80	SPAGHETTI	12855	1.25	100.00	85.00
24	NOODLES	12552	1.25	30.00	25.45
1000	POWDER SUGAR	79712	.20	200.00	192.00
40	SALT BUTTER	14785	4.90	196.00	127.45
41	POTATOES	20704	7.20	295.20	193.50
90	COFFEE	45263	2.88	259.20	168.38
67	AMMONIA	63015	.90	60.30	51.60
68	FLOUR	11383	2.75	187.00	168.30
40	MATCHES	65537	2.85	114.00	102.67
50	RAISINS	21744	3.00	150.00	120.00
260	FLOUR	11383	2.75	715.00	607.75
94	STOVE BLACK	66864	.54	50.76	45.95
130	GINGER ALE	36416	.70	91.00	59.15
265	PICKLES	32680	1.81	479.65	311.20
50	CORN	23289	2.40	120.00	102.10
90	NUTMEG	43560	.55	49.50	44.56
		69293			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42407

INVOICE DATE 2/15

SALES		CITY	ST.	CUST. NO.
BR.	SM'N.			
23	98	126	44	87631

SOLD TO

New York Stores Inc.
1026 Madison Ave.,
New York, N.Y.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
25	MACARONI 12513	1.25	31.25	26.60
26	LYE 63504	.77	20.02	19.25
10	SWEET CHOCO 47896	6.20	62.00	52.75
11	FRUIT SALAD 22400	5.60	61.60	52.45
12	SALMON 38776	2.80	33.60	28.58
28	SWEET POTATOES 23912	2.10	58.80	38.15
29	ASPARAGUS 23056	5.10	147.90	125.50
87	SAUERKRAUT 23800	1.30	113.10	96.15
13	CONDENSED MILK 76272	2.60	33.80	31.78
14	EVAPORATED MILK 76368	3.00	42.00	39.28
88	PINEAPPLE 22687	3.10	272.80	231.35
89	CORN 23289	2.40	213.60	181.30
90	PEAS 58664	2.15	193.50	162.90
7	MATCHES 65537	2.85	19.95	17.96
15	SOAP POWDER 18825	3.25	48.75	46.65
9	BOXES RICE 58129	5.90	53.10	47.70
17	BEEF TEA 45088	2.60	44.20	37.60
1000	CONF. SUGAR 79280	.07	70.00	67.45
93	SWEET BUTTER 14889	4.60	427.80	277.90
94	ANIMAL CRACKERS 48024	.50	47.00	39.95
95	NOODLES 12552	1.25	118.75	100.75
5	VINEGAR 33981	1.44	7.20	4.68
7	CIDER 19216	1.40	9.80	6.37
3	FIGS 21376	6.00	18.00	15.30
30	SPINACH 23848	2.40	72.00	61.22
	53882			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42408

INVOICE DATE 2/15

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
62	54	137	4	28001

SOLD TO Reno Stores Inc.
15 E. Front St.
Reno, Nevada

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
14	EVAPORATED MILK	76368	3.60	50.40	47.70
28	PINEAPPLE	22687	3.10	86.80	73.78
89	CORN	23289	2.40	213.60	181.45
90	PEAS	58664	2.15	193.50	164.67
9	MATCHES	65537	2.50	22.50	20.20
15	SOAP POWDER	18825	2.35	35.25	30.00
16	RICE	58751	5.90	94.40	80.25
17	BEEF TEA	45088	2.60	44.20	39.78
92	CONF SUGAR	79280	.07	6.44	6.18
93	SWEET BUTTER	14889	4.60	427.80	278.25
35	ANIMAL CRACKERS	48024	.88	30.80	26.91
95	NOODLES	12552	1.25	118.75	100.80
5	VINEGAR	33981	1.44	7.20	4.68
8	CIDER	19216	1.40	11.20	7.27
3	FIGS	21376	6.00	18.00	11.70
12	OLIVES	31600	1.90	22.80	14.82
37	DATES	21328	.80	29.60	19.24
14	CORN	23289	2.40	33.60	28.57
20	EVAPORATED MILK	76368	3.00	60.00	57.61
15	SPINACH	23848	2.40	36.00	30.60
16	APPLE SAUCE	22032	1.60	25.60	21.78
17	FLOUR	11383	8.10	137.70	117.10
130	GINGER ALE	36416	.70	91.00	59.15
60	CHICKEN SOUP	74192	3.78	226.80	193.30
70	TOMATO SOUP	74944	1.70	119.00	101.12
		93927			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42410

INVOICE DATE 2/15

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
15	21	124	20	90493

SOLD TO
Chicago Grocery Co.
2026 S. State St.
Chicago, Ill.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F O B ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
36	OLIVES	31600	1.90	68.40	44.48
37	DATE	21328	.80	29.60	19.24
12	FIGS	21376	.90	10.80	7.03
13	PEAS	58664	2.15	27.95	23.77
14	CORN	23289	2.40	33.60	28.58
20	EVAPORATED MILK	76368	3.00	60.00	56.40
15	SPINACH	23848	2.40	36.00	30.58
16	APPLE SAUCE	22032	1.60	25.60	21.77
17	FLOUR	11383	8.10	137.70	117.10
40	RAISINS	21744	.54	21.60	17.58
50	STOVE BLACK	66864	.09	4.50	4.06
18	SALMON	38776	2.80	50.40	42.82
19	SARDINES	38792	1.13	21.47	18.59
60	TUNA FISH	38951	2.88	172.80	146.89
39	PINEAPPLE	22687	3.10	120.90	102.75
22	MACARONI	12513	1.25	27.50	23.38
70	SWEET CHOCOLATE	47896	.50	35.00	29.75
67	FRUIT SALAD	22400	5.60	375.20	318.45
23	LYE	63504	.50	11.50	10.36
80	SPAGHETTI	12855	1.25	100.00	85.00
24	NOODLES	12552	1.25	30.00	25.45
910	SALT BUTTER	14785	1.00	910.00	591.00
20	POTATOES	20704	9.10	182.00	118.10
630	COFFEE	45263	2.88	1,814.40	1,179.50
40	AMMONIA	63015	.90	36.00	23.43
		33189			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42411

INVOICE DATE 3/14

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
62	54	137	4	28001

**SOLD
TO**

Reno Stores, Inc.
15 E. Front St.
Reno, Nevada

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
25	POWDER SUGAR 79712	.20	5.00	4.79
40	SALT BUTTER 14785	4.90	196.00	127.33
41	POTATOES 20704	7.20	295.20	191.72
90	COFFEE 45263	2.88	259.20	168.57
67	AMMONIA 63015	.90	60.30	39.23
68	FLOUR 11383	2.75	187.00	122.45
70	SPAGHETTI 12855	1.25	87.50	74.40
40	MATCHES 65537	2.85	114.00	102.57
50	RAISINS 21744	3.00	150.00	120.00
260	FLOUR 11383	2.75	715.00	463.95
31	PANCAKE FLOUR 11624	1.45	44.95	29.92
66	RICE 58751	2.80	184.80	157.10
72	CORN STARCH 50295	1.55	111.60	94.88
80	GELATINE 49408	1.45	116.00	104.45
90	NUTMEG 43560	.55	49.50	44.85
173	PRINT BUTTER 14729	.66	114.18	74.50
74	CLOTHES LINES 65241	.67	49.58	44.72
75	SODA WATER 36841	.70	52.50	34.13
76	FLOUR 11383	2.75	209.00	135.17
79	LYE 63504	3.30	260.70	235.11
105	APRICOTS 22048	2.90	304.50	259.80
191	SUGAR 79880	.70	133.70	128.30
63	PRUNES 23735	2.80	176.40	147.48
135	APPLE SAUCE 22032	1.60	216.00	183.68
360	MACARONI 12513	1.25	450.00	432.50
	11925			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE
SIGNED BY
REQUISITION NO.

REFER TO
INVOICE NO. 42412
INVOICE DATE 3/14

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N			
24	81	666	22	16784

SOLD TO Houston Stores Inc.
880 Gulf Blvd.
Houston. Texas

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F O B ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
265	PICKLES	32680	1.81	479.65	311.20
740	POTATOES	20704	.47	347.80	278.50
50	CORN	23289	2.40	120.00	102.10
60	CHICKEN SOUP	74192	3.78	226.80	193.30
70	TOMATO SOUP	74944	1.70	119.00	101.12
760	CLAM BROTH	74233	.05	38.00	32.29
70	BEEF TEA	45088	3.20	224.00	190.13
780	RICE	58751	.01	7.80	6.63
90	NUTMEG	43560	.55	49.50	44.56
160	SOAP POWDER	18825	2.35	376.00	338.50
130	GINGER ALE	36416	.70	91.00	59.15
91	OLIVES	31600	1.90	172.90	112.11
92	DRIED FRUIT	52344	2.13	195.96	156.70
50	CONDENSED MILK	76272	2.60	130.00	122.20
93	EVAPORATED MILK	76368	3.00	279.00	261.71
94	STOVE BLACK	66864	.54	50.76	45.95
95	RAISINS	21744	.09	8.55	6.84
115	FLOUR	11383	2.75	316.25	205.80
20	APPLE SAUCE	22032	1.60	32.00	27.25
30	SPINACH	23848	2.40	72.00	61.22
360	MACARONI	12513	1.25	450.00	432.50
850	SWEET CHOCOLATE	47896	.50	425.00	421.75
10	CRACKER DUST	10304	5.10	51.00	45.85
126	VEGETABLE SOUP	74965	2.00	252.00	214.15
1000	CELERY	20161	.07	70.00	45.09

50976

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42413

INVOICE DATE 3/14

SALES		CITY	ST.	CUST. NO.
BR.	S'MN.			
39	12	162	83	12062

SOLD TO Miami Grocery Co.
226 Everglades Rd.
Miami, Fla.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
70	PEAS	58664	2.15	150.50	128.00
96	FIGS	21376	.52	49.92	32.19
25	DATES	21328	8.30	207.50	178.74
5	OLIVES	31600	8.40	42.00	27.24
80	MATCHES	65537	2.85	228.00	205.67
90	AMMONIA	63015	.96	86.40	56.31
900	SODA CREAM	36832	.97	873.00	567.00
910	CEYLON TEA	45169	.98	891.80	757.78
920	APPLES	22039	.58	533.60	426.90
30	PRUNES	23735	2.80	84.00	71.42
940	SWEET BUTTER	14889	1.00	940.00	611.20
120	SALT BUTTER	14785	.59	70.80	46.05
60	MAPLE SYRUP	53521	2.35	141.00	91.60
50	LEMON EXTRACT	44473	.86	43.00	36.55
98	COCOA	46257	.87	85.26	55.47
980	POWDERED SUGAR	79712	.75	735.00	705.96
25	WAX PAPER	15989	.78	19.50	17.55
22	VANILLA	44973	.90	19.80	12.89
50	STOVE BLACK	66864	1.70	85.00	80.75
60	FLY PAPER	65393	.76	45.60	43.79
20	ANIMAL CRACKERS	48024	.50	10.00	9.50
175	FRUIT SALAD	22400	5.10	892.50	757.45
84	TUNA FISH	38951	2.60	218.40	185.70
83	SARDINES	38792	2.50	207.50	190.65
21	PEACHES	36124	1.00	21.00	16.30
		20442			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42415

INVOICE DATE 3/14

SALES		CITY	ST.	CUST. NO.
BR.	SM'N.			
23	98	126	44	87631

**SOLD
TO**

New York Stores, Inc.
1026 Madison Ave.
New York, N. Y.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
80	FIGS	21376	6.00	480.00	384.10
11	COCOA	46257	.83	9.13	7.31
12	LEMON EXTRACT	44473	.70	8.40	7.15
3	MAPLE SYRUP	53521	2.35	7.05	5.64
44	SALT BUTTER	14785	.96	42.24	27.47
15	SWEET BUTTER	14889	.97	14.55	9.45
8	PRUNES	23735	2.80	22.40	17.91
9	APRICOTS	22048	2.90	26.10	20.88
10	APPLES	22039	2.10	21.00	16.79
1100	CEYLON TEA	45169	.39	429.00	343.19
12	SODA CREAM	36832	.40	4.80	3.12
13	AMMONIA	63015	.20	2.60	1.82
14	MATCHES	65537	.21	2.94	2.79
15	OLIVES	31600	.41	6.15	3.99
16	DATES	21328	.42	6.72	5.37
17	FIGS	21376	2.20	37.40	29.96
18	PEAS	58664	2.30	41.40	35.18
19	CORN	23289	6.20	117.80	100.20
20	EVAPORATED MILK	76368	7.60	152.00	143.89
21	SPINACH	23848	7.70	161.70	137.36
22	APPLE SAUCE	22032	7.80	171.60	145.78
23	FLOUR	11383	6.30	144.90	122.90
25	RAISINS	21744	.23	5.75	4.61
59	CHICKEN SOUP	74192	7.10	418.90	355.50
60	TURTLE SOUP	74958	7.20	432.00	366.41
		34458			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO.

42416

INVOICE DATE

3/14

SALES		CITY	ST.	CUST. NO.
BR.	SM'N.			
15	21	124	20	90493

SOLD

TO

Chicago Grocery Co.
2026 S. State St.,
Chicago, Ill.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
20	COCOA 46257	.83	16.60	13.28
30	MACARONI 12513	1.25	37.50	31.87
740	LYE 63504	.12	88.80	79.99
750	SWEET CHOCO 47896	.13	97.50	77.80
160	FRUIT SALAD 22400	5.60	896.00	762.00
44	SALMON 38776	2.80	123.20	104.80
350	SWEET POTATOES 23912	2.10	735.00	588.10
100	ASPARAGUS 23056	5.60	560.00	447.95
20	SAUERKRAUT 23800	1.30	26.00	22.50
30	CONDENSED MILK 76272	2.60	78.00	73.75
140	EVAPORATED MILK 76368	3.00	420.00	394.85
50	PINEAPPLE 22687	3.10	155.00	131.66
60	CORN 23289	2.40	144.00	122.43
70	PEAS 58664	2.15	150.50	128.10
80	MATCHES 65537	2.85	228.00	216.75
90	SOAP POWDER 18825	2.35	211.50	191.75
50	RICE 58751	5.90	295.00	236.00
910	BEEF TEA 45088	.16	145.60	116.42
920	CONF SUGAR 79280	.17	156.40	150.10
430	SWEET BUTTER 14889	1.90	817.00	531.30
40	ANIMAL CRACKERS 48024	.50	20.00	16.00
50	NOODLES 12552	1.25	62.50	50.00
60	VINEGAR 33981	1.44	86.40	56.40
70	CIDER 19216	1.40	98.00	63.75
59	CHICKEN SOUP 74192	7.10	418.90	355.50
	29729			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO INVOICE NO. 42418
INVOICE DATE 4/22

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
24	81	666	22	16784

SOLD TO
Houston Stores, Inc.
880 Gulf Blvd.
Houston, Texas

SHIPPED TO AND DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
1137	HORSERADISH	32456	.01	11.37	10.24
38	BAY LEAF	43071	.55	20.90	19.85
40	BLUING	63112	1.35	54.00	51.30
150	BAKING POWDER	11065	1.40	210.00	188.95
16	PAPRIKA	43632	.60	9.60	9.12
90	CLOVES	43248	.55	49.50	47.09
900	PRETZELS	48720	.19	171.00	136.87
110	CELERY SALT	57167	.70	77.00	73.30
1700	ONIONS	20583	.22	374.00	317.80
18	CRACKERS	48312	.23	4.14	3.32
41	COCOA	46257	.83	34.03	27.24
80	MAYONNAISE	27539	4.10	328.00	279.00
90	KETCHUP	34464	1.88	169.20	152.45
42	MATCHES	65537	2.85	119.70	113.80
43	WAX PAPER	15989	.16	6.88	6.64
4	FLY PAPER	65393	3.90	15.60	14.82
400	PEAS	58664	2.15	860.00	731.95
410	BEANS	58080	1.65	676.50	574.95
420	TOMATOES	23937	2.60	1092.00	874.25
46	PEACHES	22640	2.90	133.40	106.90
3	SALT	43781	7.80	23.40	21.18
4	AMMONIA	63015	.89	3.56	3.03
115	FLOUR	11383	2.75	316.25	284.95
6	CRACKER DUST	10304	.37	2.22	1.99
7	SODA	11827	3.90	27.30	17.75
		70176			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE
SIGNED BY
REQUISITION NO.

REFER TO
INVOICE NO. 42419
INVOICE DATE 4/22

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
39	12	162	83	12062

SOLD
TO

Miami Grocery Co.
226 Everglades Road
Miami, Fla.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
50	LYE 63504	.64	32.00 CR	30.39
60	CONDENSED MILK 76272	2.60	156.00	146.60
870	COCOA 46257	.66	574.20	459.50
10	PAPRIKA 43632	.67	6.70	6.37
20	CRACKERS 48312	3.10	62.00	49.68
30	TAPIOCA 50927	3.65	109.50	87.55
150	BEANS 58080	1.65	247.50 CR	211.76
80	PEPPER 43672	.55	44.00 CR	41.82
13	KETCHUP 34464	.63	8.19	7.37
23	NUTMEG 43560	.55	12.65	12.01
110	SALT BUTTER 14785	7.50	825.00	536.70
50	AMER CHEESE 14008	.80	40.00	26.10
32	HONEY 30449	.60	19.20	16.31
60	CLOVES 43248	.55	33.00	31.30
270	BLACK TEA 45097	2.30	621.00	497.89
280	PEANUT BUTTER 27649	1.55	434.00	282.20
290	POTATOES 20704	.35	101.50	81.15
34	SALAMI 90767	.47	15.98	10.32
35	MAYONNAISE 27539	.43	15.05	13.56
1036	SUGAR 79880	.36	372.96	354.18
300	MARMALADE 27528	.48	144.00	129.60
10	OYSTER CRACKERS 48617	5.50	55.00 CR	46.70
320	SILVER POLISH 66808	.05	16.00	15.21
30	BLACKING 63103	3.20	96.00	91.25
3	SALT 43781	7.80	23.40	21.18
	52643			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO 42420
INVOICE NO.

INVOICE DATE 4/22

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
34	42	189	21	92380

SOLD TO Interstate Stores
5000 Connecticut Ave
Washington, D. C.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
85	TOMATO SOUP 74944	2.70	229.50	194.95
8	OX TAIL SOUP 74609	6.10	48.80	41.58
9	VEGETABLE SOUP 74965	4.00	36.00	30.59
56	CHICKEN SOUP 74192	1.40	78.40	61.70
910	STRING BEANS 23873	.16	145.60	123.78
20	KETCHUP 34464	1.88	37.60	35.78
8	CHEESE 14176	4.30	34.40	22.35
12	STOVE BLACK 66864	1.60	19.20	18.24
640	POTATOES 20704	.21	134.40	107.60
81	FLOUR 11383	2.75	222.75	198.75
390	CORN 23289	.30	117.00	99.40
400	PORK & BEANS 29821	3.10	124.00	105.38
25	CLOTHES LINES 65241	.84	21.00 CR	19.95
70	CONDENSED MILK 76272	2.60	182.00	171.18
680	SUGAR 79880	.96	652.80	627.55
90	COFFEE 45263	2.88	259.20	207.46
16	SODA CRACKERS 48828	5.30	84.80	72.02
83	PEARS 22655	5.40	448.20	381.07
84	PEACHES 22640	2.90	243.60	207.01
85	PINEAPPLES 22687	3.10	263.50	223.70
75	ASPARAGUS 23056	5.60	420.00	356.42
710	HORSERADISH 32456	.06	42.60	38.37
4	AMMONIA 63015	.89	3.56	3.03
6	CRACKER DUST 10304	.37	2.22 CR	1.99
39	PRUNES 23735	2.80	109.20	92.98
	59316			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42422

INVOICE DATE 4/22

SALES		CITY	ST.	CUST. NO.
BR.	S'M'N.			
15	21	124	20	90493

SOLD
TO Chicago Grocery Co.,
2026 S. State St.,
Chicago, Ill.

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST	
3	SALT	43781	7.80	23.40 CR	21.18
4	AMMONIA	63015	.89	3.56 CR	3.03
115	FLOUR	11383	2.75	316.25	284.95
6	CRACKER DUST	10304	.37	2.22	1.99
7	SODA	11827	3.90	27.30	17.75
39	PRUNES	23735	2.80	109.20	92.98
40	PRETZELS	48720	.31	12.40	10.54
41	SLICES BACON	90815	.32	13.12	10.48
42	HARD CANDY	90441	6.80	285.60	256.50
43	ANIMAL CRACKERS	48024	.50	21.50	18.29
44	RICE	58751	7.00	308.00	246.18
145	SALTED BUTTER	14785	.62	89.90	58.35
1047	GRANULATED SUGAR	79432	.74	774.78	744.02
48	OLIVE OIL	31592	.65	31.20	28.20
149	DRIED PEACHES	52359	.33	49.17	41.79
50	MATCHES	65537	.34	17.00	16.14
51	PORK & BEANS	27697	.35	17.85 CR	15.18
52	CORN	23289	2.04	106.08	90.10
153	COFFEE	45263	2.88	440.64	352.15
154	POTATOES	20704	.36	55.44	44.36
55	ASPARAGUS	23056	5.60	308.00	262.00
57	TOMATO SOUP	74944	.37	21.09	17.94
56	OX TAIL SOUP	74609	1.80	100.80	85.68
58	VEGETABLE SOUP	74965	2.00	116.00	98.62
140	APRICOTS	22048	2.90	406.00	324.91
		31076			

REPRESENTATIVE COMPANY

CUSTOMER'S
ORDER NO. AND DATE

SIGNED BY

REQUISITION NO.

REFER TO
INVOICE NO. 42423

INVOICE DATE 5/29

SALES		CITY	ST.	CUST. NO.
BR.	SM'N.			
62	54	137	4	28001

**SOLD
TO**

Reno Stores Inc.,
15 E. Front St.,
Reno, Nevada

SHIPPED TO
AND
DESTINATION

DATE SHIPPED

F. O. B. ENDICOTT, N. Y. TERMS 30 DAYS NET

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	COST
80	TOMATO SOUP	74944	1.70	136.00
76	RAISINS	21744	.42	31.92
37	ASPARAGUS	23056	5.60	207.20
179	POTATOES	20704	.81	144.99
80	MATCHES	65537	.30	24.00
81	TEA	45929	5.80	469.80
82	EVAPORATED MILK	76368	5.90	483.80
74	NUTMEG	43560	.14	10.36
75	ANIMAL CRACKERS	48024	.50	37.50
84	SARDINES	38792	.60	50.40
185	DRIED PEACHES	52359	.61	112.85
120	RICE	58751	.88	105.60
46	HARD CANDY	90441	7.00	322.00
12	MUSTARD	71680	.62	7.44
76	CELERY	20161	4.10	311.60
87	COFFEE	45263	9.10	791.70
77	PINEAPPLES	22687	3.10	238.70
88	ONIONS	20583	3.00	264.00
589	SUGAR	79880	.18	106.02
140	APRICOTS	22048	2.90	406.00
30	LYE	63504	.69	20.70
40	SODA WATER	36841	.70	28.00
34	SPAGHETTI	12855	1.25	42.50
35	NOODLES	12553	1.25	43.75
125	POWDERED SUGAR	79712	7.00	875.00
	47976			830.92