

So, let's just use it!

LET'S TRY! CEFUCOM-21



CEFUCOM-21 Operation Manual

This CEFUCOM-21 operation manual is intended for those who are using the CEFUCOM-21 for the first time to learn about the wonderful features of each of its functions by actually touching the keys.

This manual provides detailed explanations on everything from how to turn the switch on, to how to operate the five modes, and how to turn the switch off.

When using this manual, place the CEFUCOM-21 in front of you and operate it while looking at the screen.

LET'S TRY WITH CEFUCOM-21!

•Before you start operation...	2
• Switch ON • Mode selection	3
•MODE 1 Study Time Schedule	4
•MODE 2 CAI learning...	7
•MODE 3 Computer	10
•MODE 4 Tape Recorder	12
•Switch OFF •In conclusion...	13
•Operation method-list	14



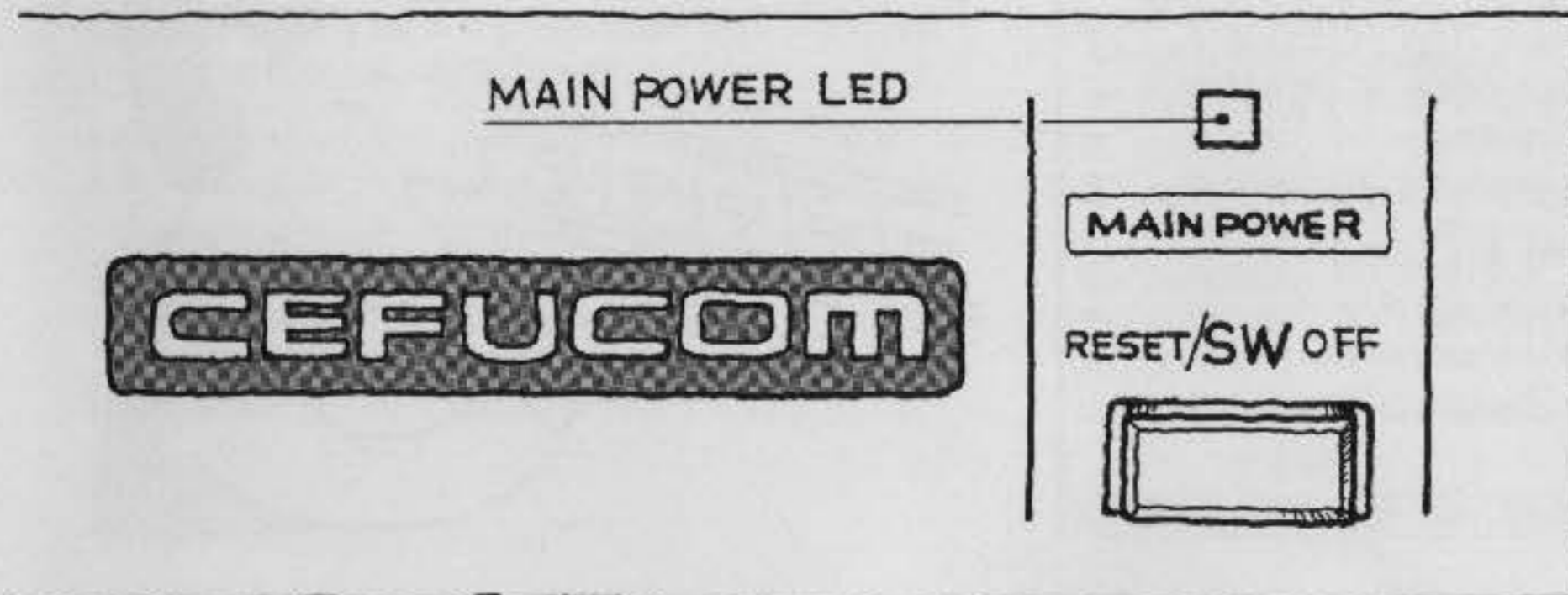
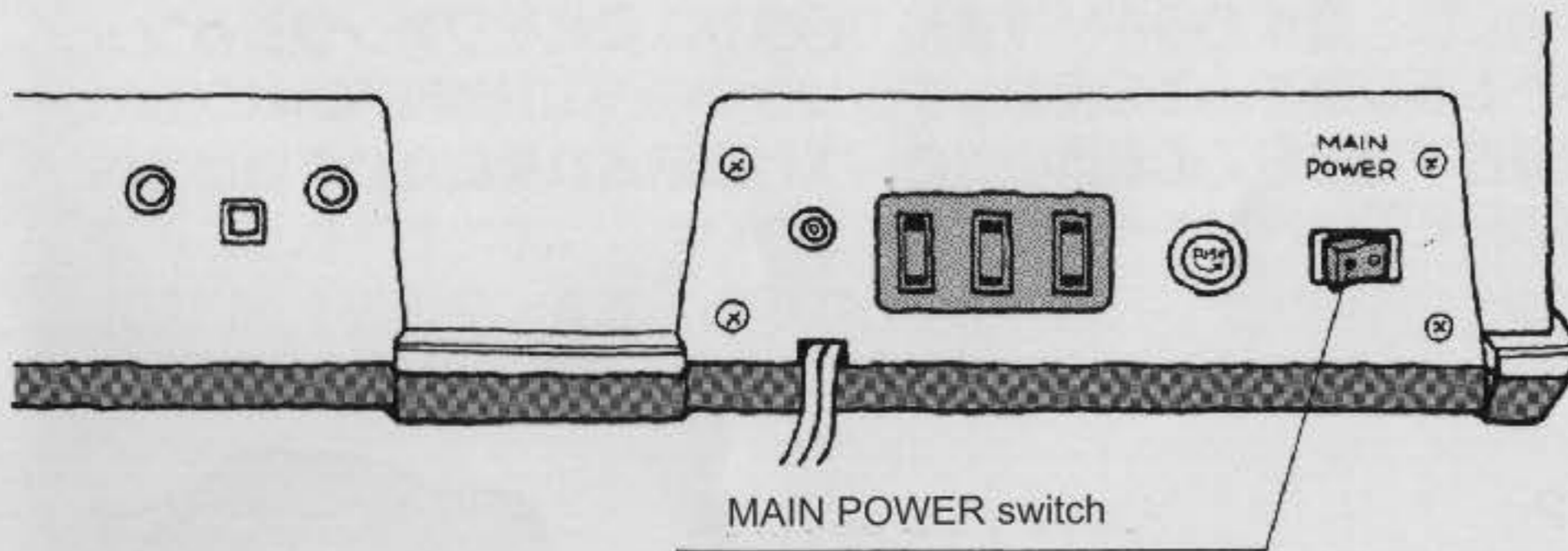
Before starting operations

•Check first before you start.

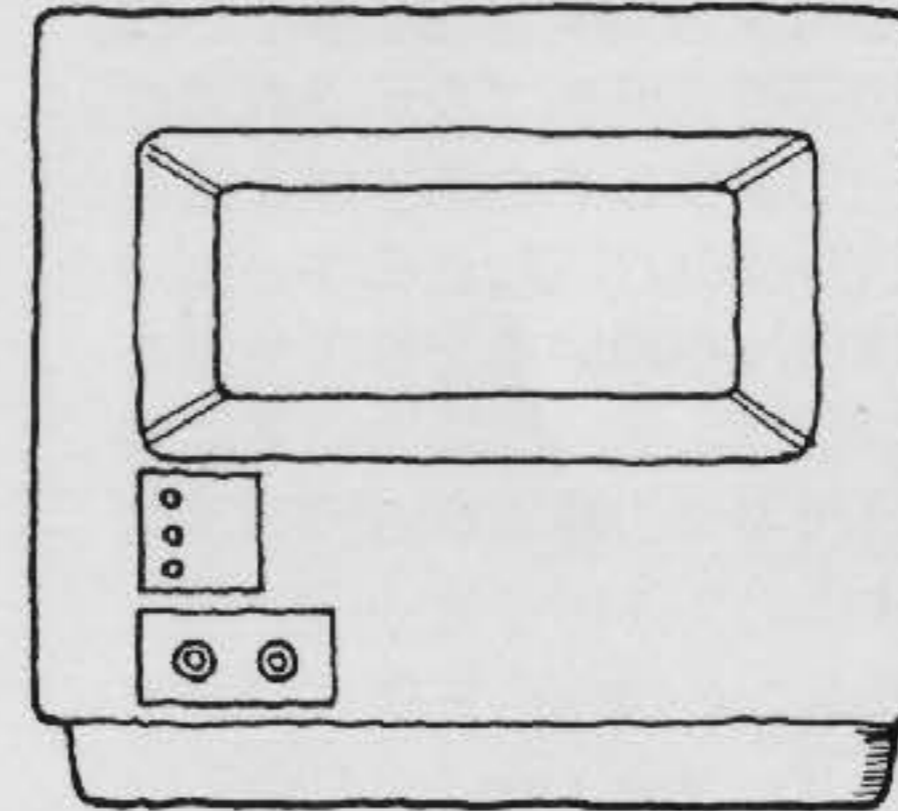
Before using CEFUCOM-21, please check the following:

1. Is the CEFUCOM-21 cord plugged into a power outlet?
2. Is the MAIN POWER switch on the back of the unit turned ON?
3. Is the MAIN POWER LED on the right side of the unit lit?
4. Are the unit and TV connected correctly?

*For details, please read the instruction manual.

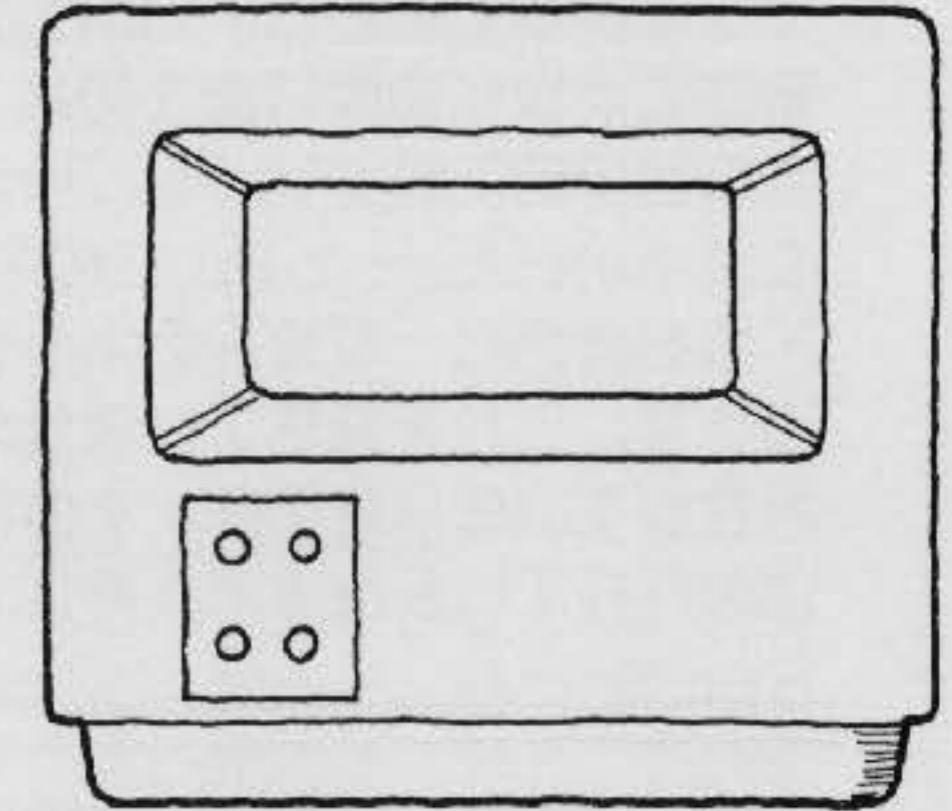


TV with video input terminal



To video input terminal

TV without a video input terminal

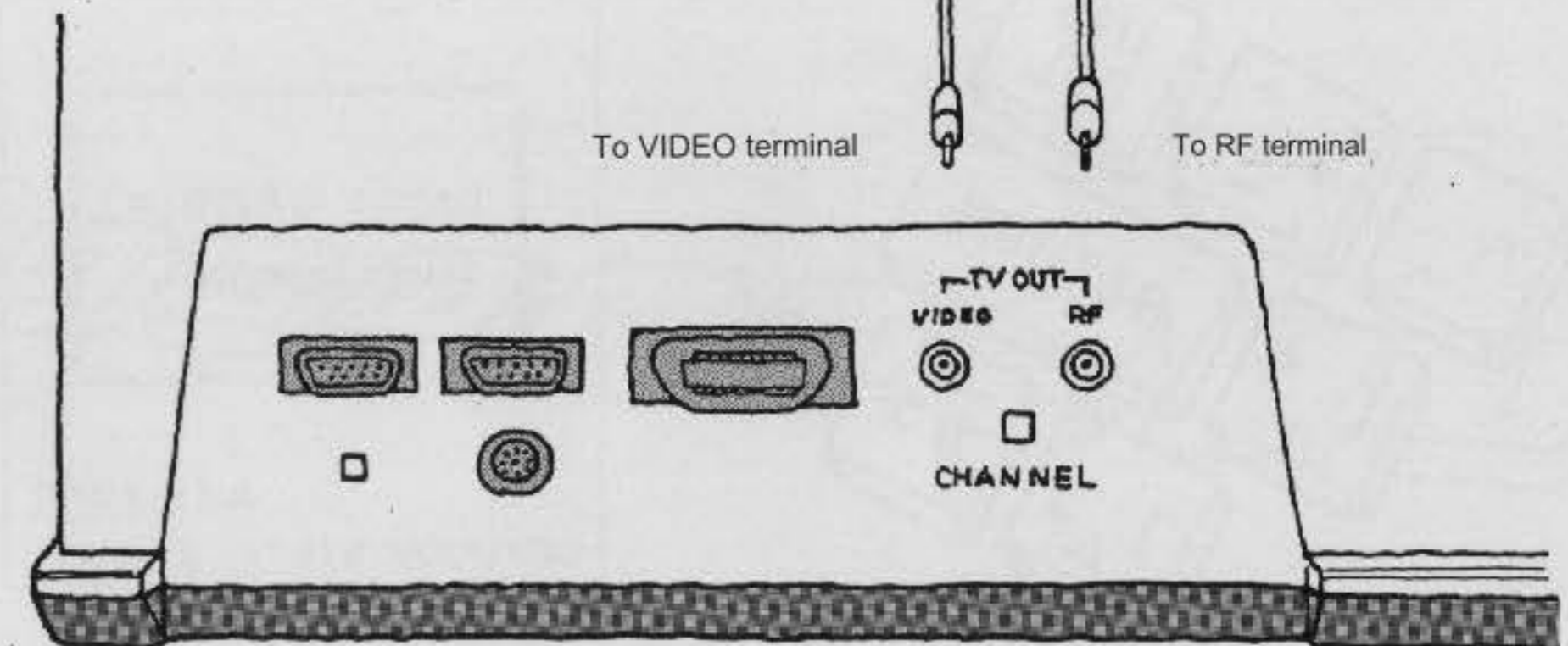


To VHF input terminal

matching box

To VIDEO terminal

To RF terminal



switch on

- Just turn it on.
- Don't forget to press the RETURN key.

First, press the switch marked "SWITCH ON" on the right side of the unit as you face it. The ON LED will light up red or blue. Next, the current date and time will be displayed on the TV screen, as shown in Figure 1. Next, look at the typewriter-like keyboard lined up in front of you. There are many gray and blue keys. To the right of this keyboard, there is a blue key with RETURN written on it. This is called the RETURN key. The RET displayed in the bottom right of the TV screen is an abbreviation for this RETURN key. Now, try pressing this RETURN key.

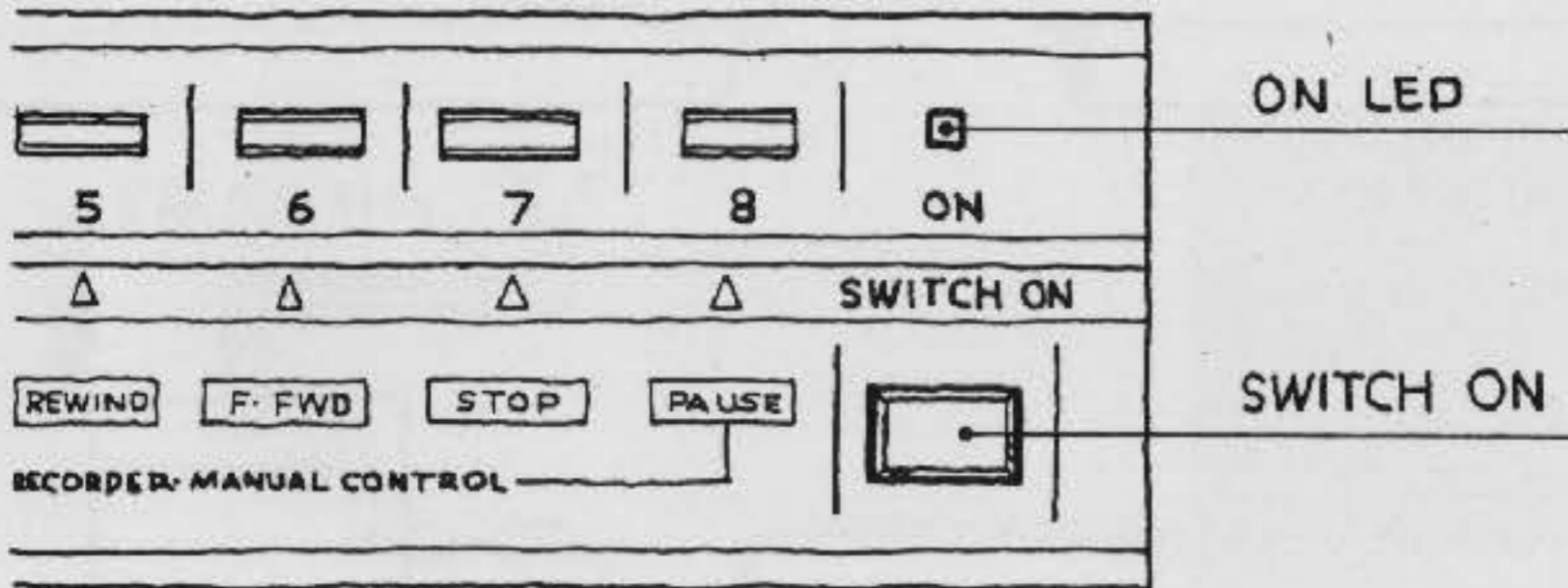
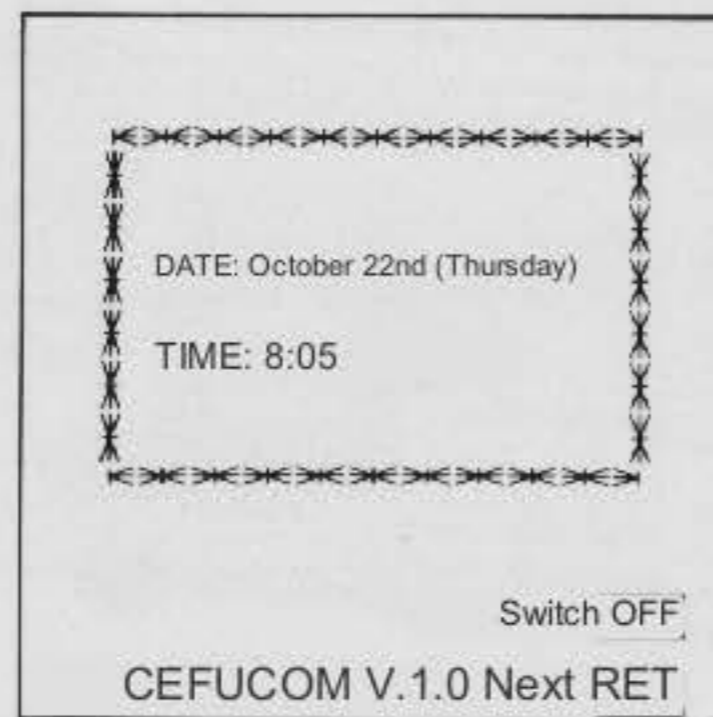
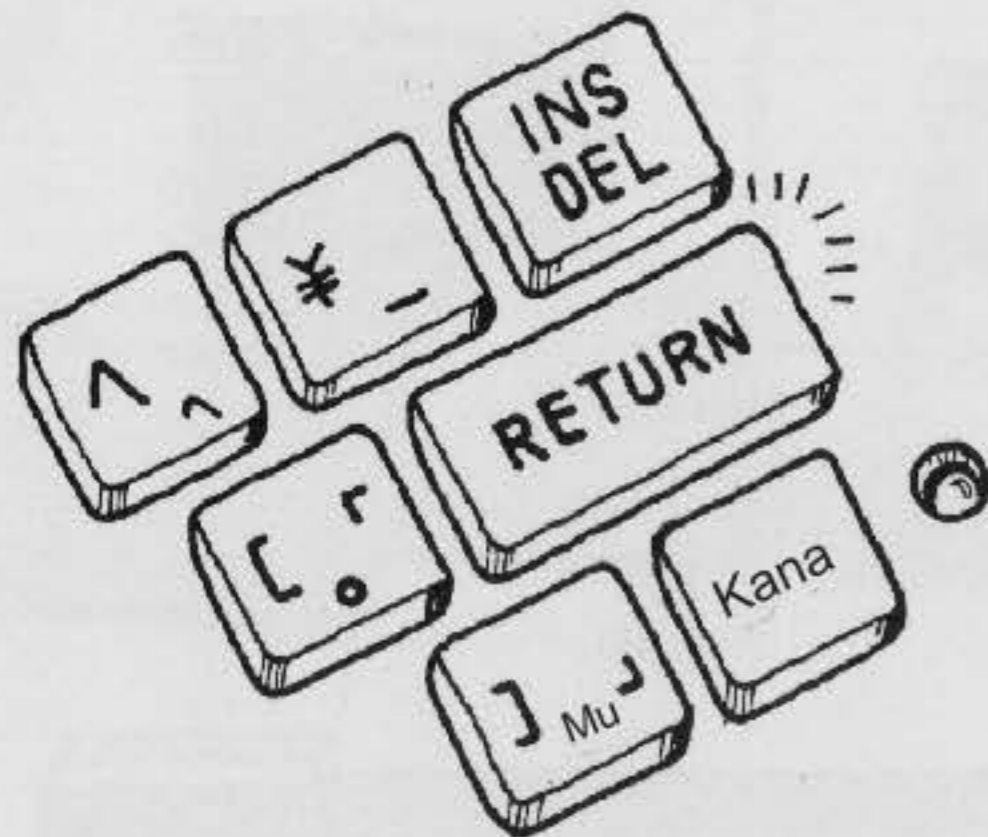


Figure 1



—mode selection

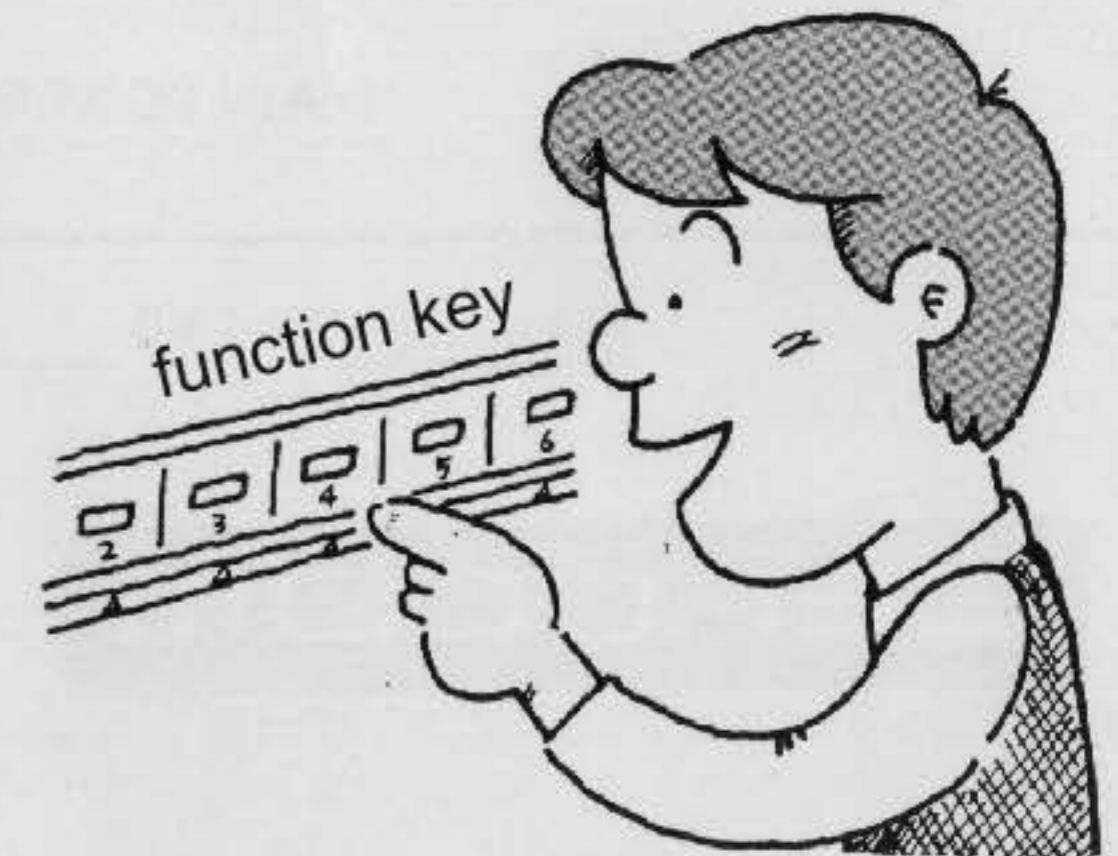
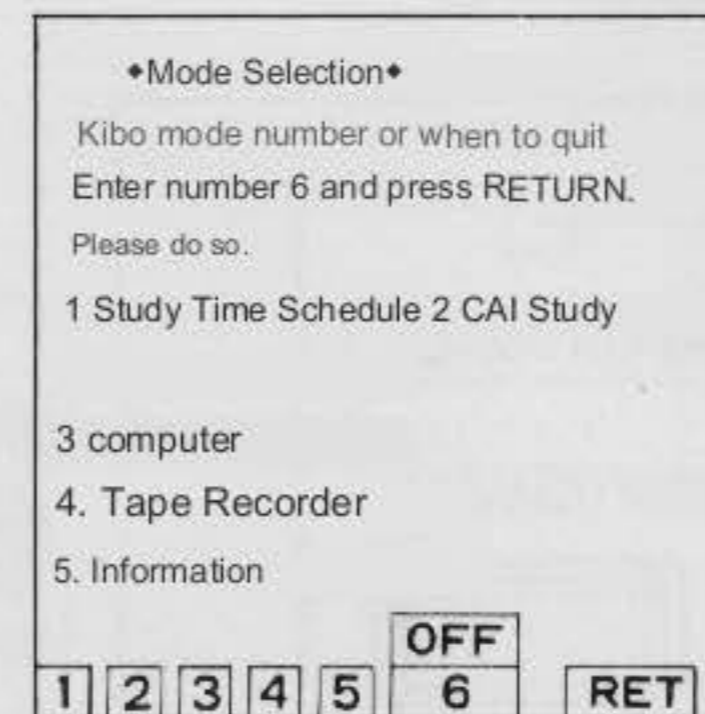
- What can CEFUCOM-21 do?

The screen will change to look like Figure 2. This is the mode selection screen.

1. Study Time Schedule
2. CAI Study
3. Computer
4. Tape Recorder
5. Information (future implementation)

is displayed. All of these are the functions of the CEFUCOM-21. Now, let's try out the functions of the CEFUCOM-21. Look at the silver keys on the top side of the unit as you face it. There are a row of keys numbered ① to times. These are called function keys. Press this function key ①. Notice that 1 is displayed above the RET display in the bottom right of the screen. Next, press the RETURN key you pressed earlier.

Figure 2



- Try changing the date and time.

What is a cursor?

The screen has changed to that shown in Figure 3. This is the Study Time Schedule screen in Mode 1. Look at the mode indicator LED. The SCHEDULE on the far left is lit in red. Now, let's try out the Study Time Schedule function. The date and time are displayed at the top of the screen. Let's try changing them first. At the bottom of the screen, it says, "When changing, press 1 for date and time, and 4 for alarm." Press function key ② as instructed. The screen has changed to that shown in Figure 4. A square display is flashing to the left of the date. This is called the cursor. Now, let's move this cursor. Look at the keyboard. There are eight blue keys lined up at the top of the keyboard. Among them, there are four keys with arrows on them. You can move the cursor displayed on the screen with these keys. In other words, to move it to the left, use the Day key, to move it to the right, the Snake key, and to move it up and down, use the Up and Down keys. Remember these cursor keys (also called the cursor bar) as you will use them often.

Press the date key. The cursor has moved one space to the right. Next, press the date key. The cursor has returned to its original position. You can use the cursor keys to move the cursor to any position you like. Now, let's reset the date and time to "December 31st (Monday) 09:35". Look at the keyboard. There are numbers on the top row of grey keys. Press number 1. The number on the left side of the date becomes 1, and the cursor has moved one space to the right. Next, press number 2. December is displayed, and the cursor has moved two spaces to the right. In the same way, press number keys 3 and 1 in succession. The date is displayed as December 31st, and the cursor has moved to the day of the week. Now look at the bottom of the screen. Sun-Sat and RET are displayed. This means that function keys ①-⑦ represent Sun-Sat. In other words, if it is Sunday, press function key ①, and if it is Saturday, press the function key ⑦. Now, press a function key. The word "Month" will be displayed on the screen in the day of the week area. This completes the date change.

Figure 3

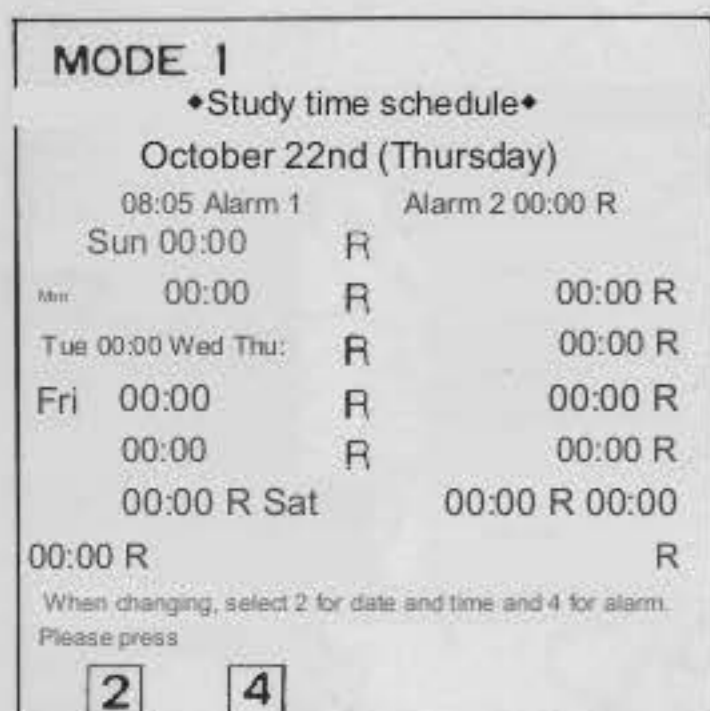
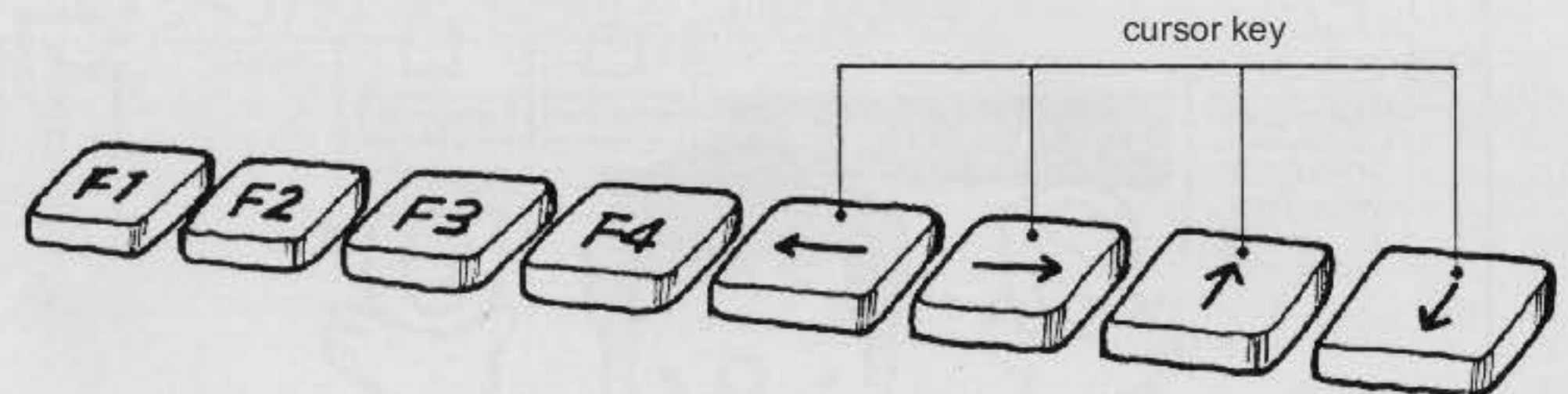
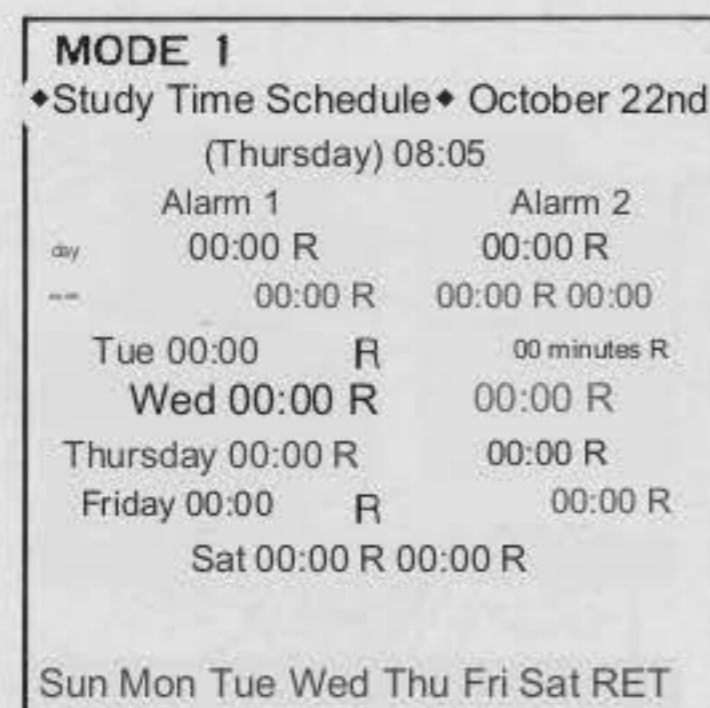


Figure 4

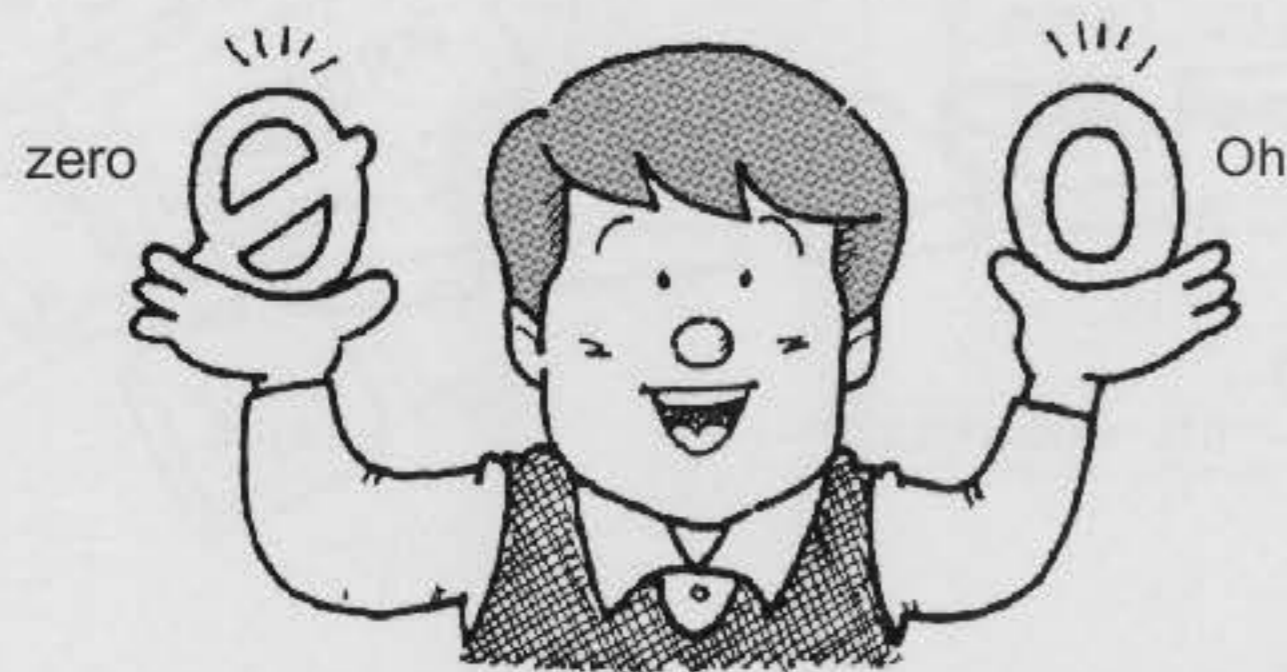


MODE 1

Study Time Schedule

- MODE 1 is the CEFUCOM-21 watch.

Next, let's change the time. After changing the day of the week, the cursor will flash at the left edge of the time display. You want to change the time to 9:35, but if you press the number key 9, one digit will be left out. In other words, if you want to change the time from 10:00 to 23:00, just press the number key, but if you want to change the time to one digit, you need to invert the leftmost digit of the time. In other words, it will be 09:35. Now, look at the number keys again. Next to the 9, there is a key with Ø written on it. This is the number 0. In other words, to distinguish it from the alphabet O, the number 0 has a slash through it to make it Ø. Be careful not to make a mistake. Now, once you have confirmed that the date and time you changed are correct, press the RETURN key. If they are incorrect, use the cursor keys to move the cursor to the incorrect location, enter the correct date and time, and then press the RETURN key. You are now back to the first screen of the Study Time Schedule. This completes the date and time change. Now, press the function keys in the same way to correct the current date and time. The date and time corrected here correspond to the date and time displayed when the unit is turned on and when it is in tape recorder mode. In other words, the time management of the CEFUCOM-21 is based on this date and time.



- Set an alarm for forgetful people.

Next, let's set the alarm. Press function key ④. The cursor is blinking to the left of the time for Alarm 1 on Sunday. Now, use the cursor keys we just mentioned to move the cursor to today's day. For example, let's say today is Wednesday. Press cursor key ① three times to move the cursor to the left of the time for Alarm 1 on Wednesday. To enter the alarm time, use the number keys in the same way as changing the date and time. Now, you can see the letter R in a row. This R means reset (the alarm is not set), and even if you enter a time, the alarm will not go off when it is R. To set it, move the cursor to this R position and enter the alphabet S on the keyboard. In this case, S means set. When you have finished entering the alarm time, press the RETURN key. This completes the alarm setting. There are Alarm 1 and Alarm 2, which means that you can set the alarm up to two times a day. When an alarm is set, the CEFUCOM-21 will automatically switch to POWER ON and play a melody when the alarm time comes. If the RETURN key is not pressed within 5 minutes of the alarm, the CEFUCOM-21 will automatically switch to POWER OFF.

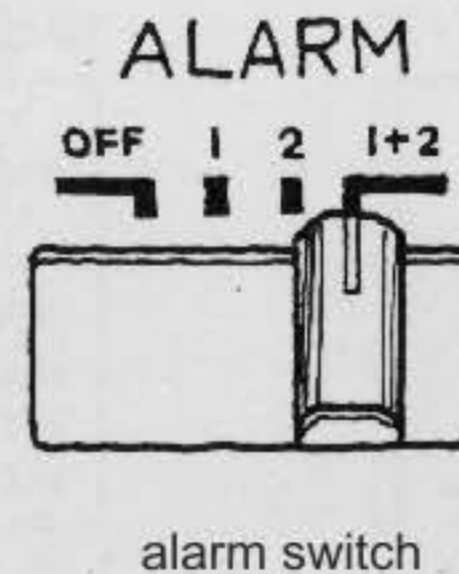
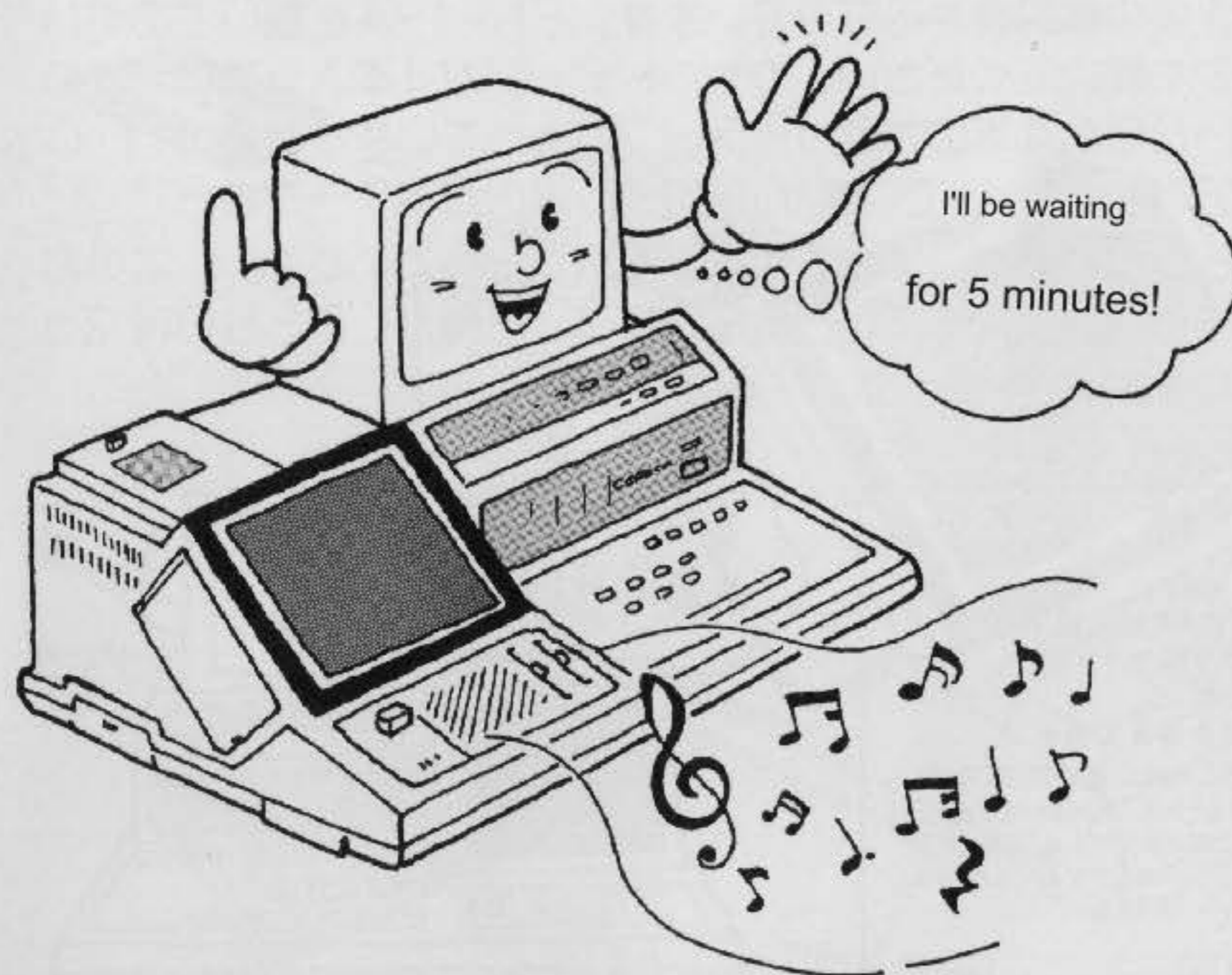


MODE 1

Study Time Schedule

- After setting the alarm, don't forget to check the alarm switch.

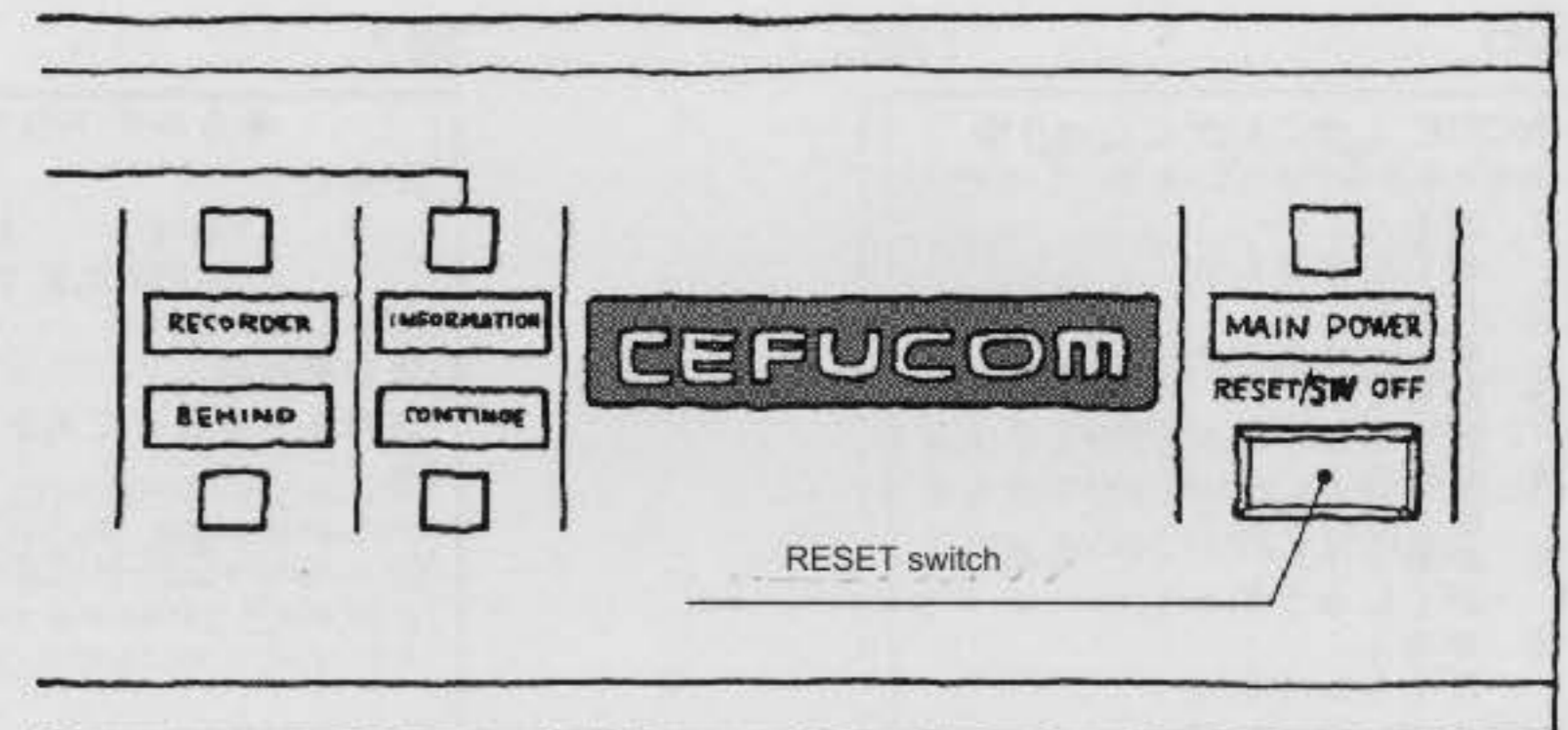
Now look at the alarm switch below function key 2. From left to right, it says OFF 1 2 1+2. When the switch is OFF, the alarm will not go off even when the set time arrives. When it is 1, the alarm will only go off at the set time for Alarm 1, and when it is 2, the alarm will only go off at the set time for Alarm 2. When the switch is 1 +2, both Alarms 1 and 2 will go off. This is the function of the Study Time Schedule in Mode 1. Now, let's move on to the next mode.



RESET switch

- From-mode to mode.

Look at the silver switch to the right of the word "CEFUCOM" on the CEFUCOM-21 main unit. It says RESET/SW OFF. Press this switch lightly for more than one second. The screen will return to the mode selection screen. This switch is used to return to the mode selection screen from each mode. In other words, when moving from a mode to another, you will need to use this switch to return to this mode selection screen first, and then select the other mode again. Now let's select the CAI embroidery-for mode 2. Press function key 2 and then the RETURN key.



- CEFUCOM-21 is an excellent teacher.
- Has six types of medical records.

The screen should now look like Figure 6. There are chart numbers from 1 to 6, which means that in this CAI learning mode, you can manage six different charts. For example, you can have one person study up to six different charts, or six people study one type each, and so on. CEFUCOM-21 can manage these six charts individually. Now, let's press the function keys. The screen should now look like Figure 7.

The subject name will be automatically entered when the subject name of the teaching material used is studied.

TAPE NO. CAPSULE No./This also contains the number of cassette tapes and capsules used.

STUDENT: You can enter the student's name here.

Start date: Remaining days until completion:/The date you started studying. The number of days remaining until the planned completion date of the material is calculated from your schedule and your progress is displayed.

- Help them remember your name.

Now, press the function key ③ and then the RETURN key. The message "Enter student name" is displayed, and the cursor appears to the right of "Student:" (Figure 8). Next, look at the keyboard and type in your name using the alphabet keys. You can type up to 20 characters in total. When you're done, don't forget to press the RETURN key. Your name is now registered in chart number 1 of CEFUCOM-21, and your chart is now ready. Now, let's enter some study materials. Here, we'll use "DAILY LIFE" as an example: "DAILY LIFE" consists of eight cassette tapes, one capsule, and one instruction manual. Open the package labeled EN-1-A. There are four cassette tapes inside. There are also four cassette tapes in EN-1-B. There is a capsule in EN-1-C. From the EN-1-A packaging, remove the tape labeled 1-A LESSON 1. This cassette tape has LESSON 1 on side A and LESSON 2 on side B.

Figure 6

```

MODE 2 CAI study
Please enter your medical record number.
1. References:
  Student:
2. Notes:
  Student:
3. List:
  Student:
4. List:
  Student:
5. List:
  Students: 6 List:
  Student:
1 2 3 4 5 6
    
```

Figure 7

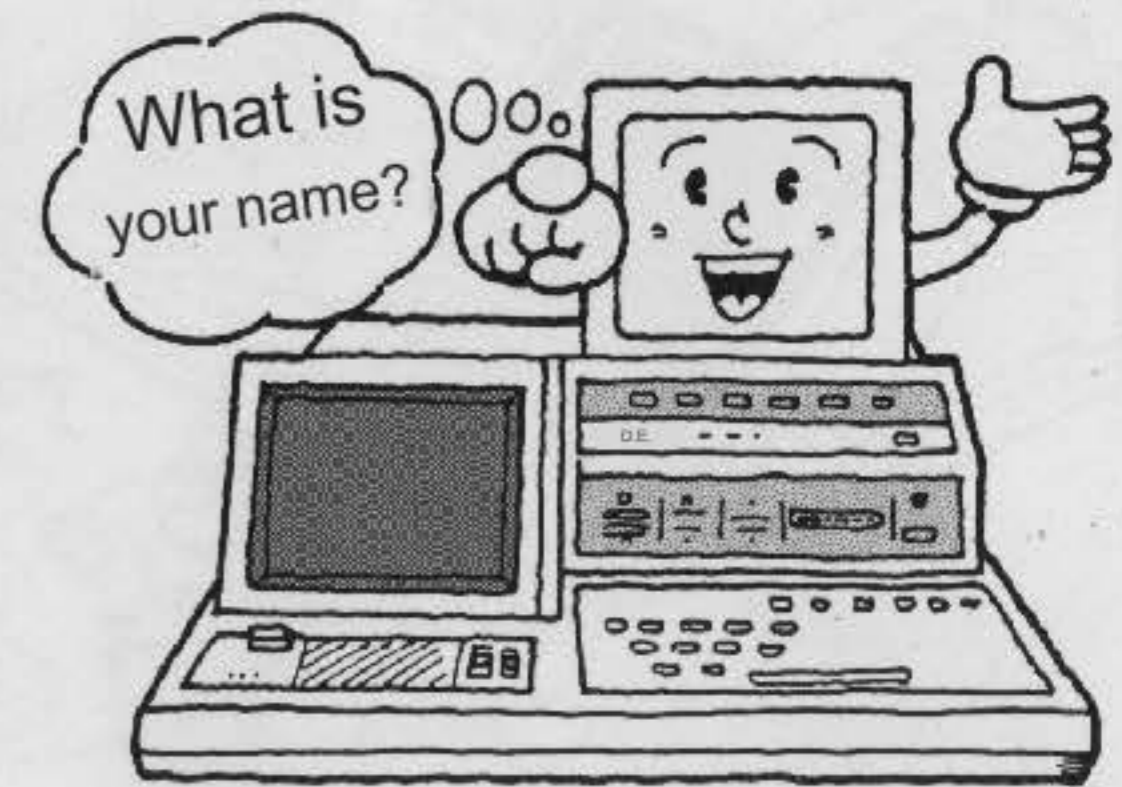
```

♦Chart No.1 ♦
Kamoku:
      TAPE  NO.
      CAPSULE NO.
Student:
The day I started:
Until the end:
☛
When studying, put in the food first.
If you do not want to enter a name for your student, key in
③; if you want to enter a name for your student, key in 2; if you
want to cancel this chart, key in 4 and then press RET.
1 2 3 4 RET
    
```

Figure 8

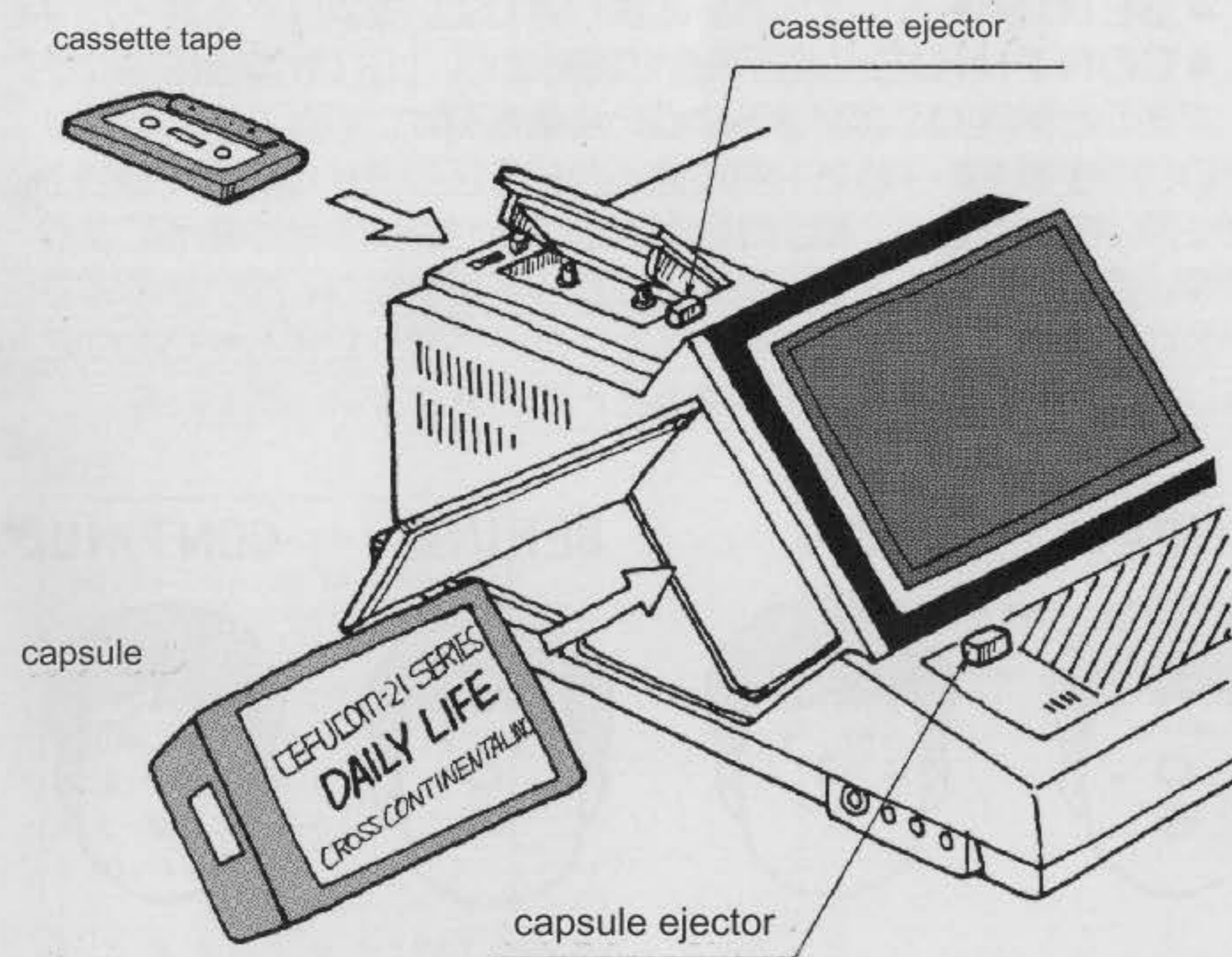
```

♦Chart No.1 ♦
Kamoku:
      TAPE  NO.
      CAPSULE N.O.
Student:
The day I started:
Until the end:
Please enter your name when you study.
Press 1 if you do not want to enter a name for your
student, 2 if you want to enter a name for your student, or 4 if
you want to cancel this chart, then press RET.
1 2 3 4 RET
    
```



- Let's set up the teaching materials.

Now, press the cassette ejector on the top left of the main unit to open the cassette cover. Insert the cassette with LESSON 1 facing up, and close the cover by pushing it with your hand. Next, press the capsule ejector on the bottom left of the main unit. The capsule loading cover should now be open. With the screen facing you, push the capsule in the direction of the arrow until you hear a click. (Figure 9) You are now ready to begin CA learning. Press the function key and then the RETURN key.



- Which course would you choose?

The screen should now look like Figure 10. After a while, the screen will change to Figure 11. Four courses are displayed, from 1.3 months to 4.12 months. If you want to finish this "DAILY LIFE" in 3 months, press the function key 2; if you want to finish it in 6 months, press the function key 3; if you want to finish it in 9 months, press the function key 4; and if you want to finish it in 12 months, press the function key 5. This allows you to study according to your desired schedule. In other words, the amount of study you need to do each day differs between the 3-month course and the 12-month course. Now, press the function key for the course you want.

Figure 10

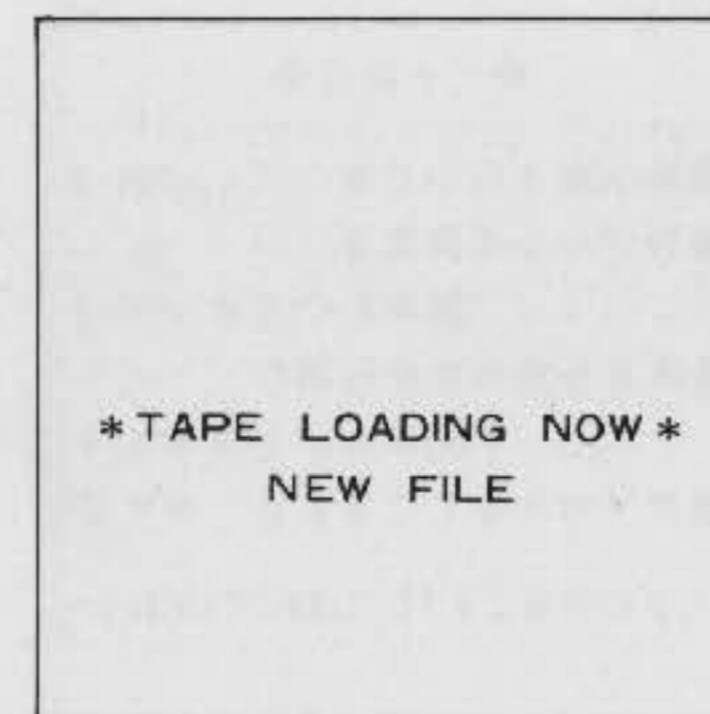
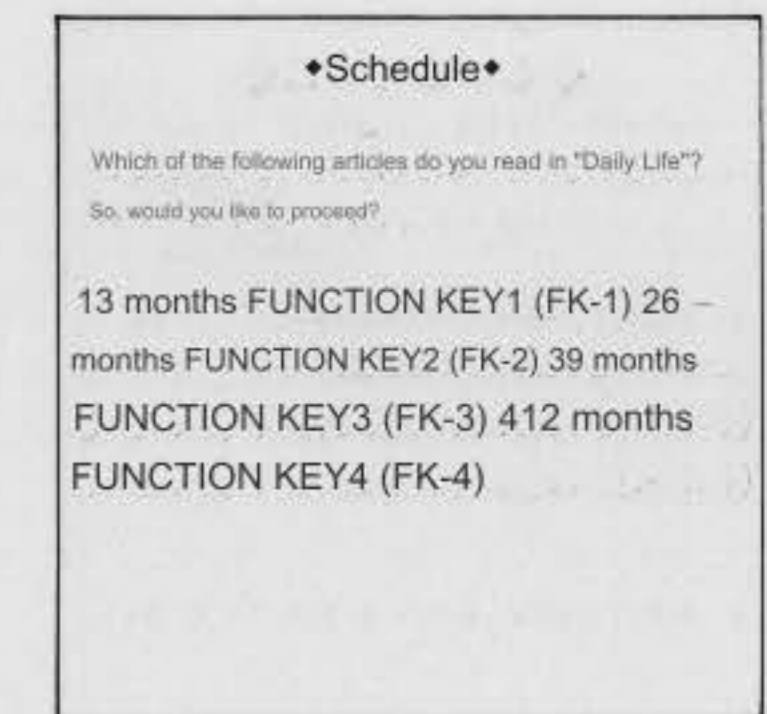


Figure 11



- Now, start learning!
- Try pressing the CLOCK switch.

The course number and "Please press RETURNKEY" are displayed at the bottom of the screen (Figure 12). If there are no changes, press the RETURN key. Learning "DAILY LIFE" will begin. Once learning has begun, press the CLOCK switch to the left of the ALARM switch. The current date and time are displayed in the top left corner of the screen. Press this switch if you want to know the current date and time during learning. (The displayed date and time will not disappear until the screen changes.)

no)

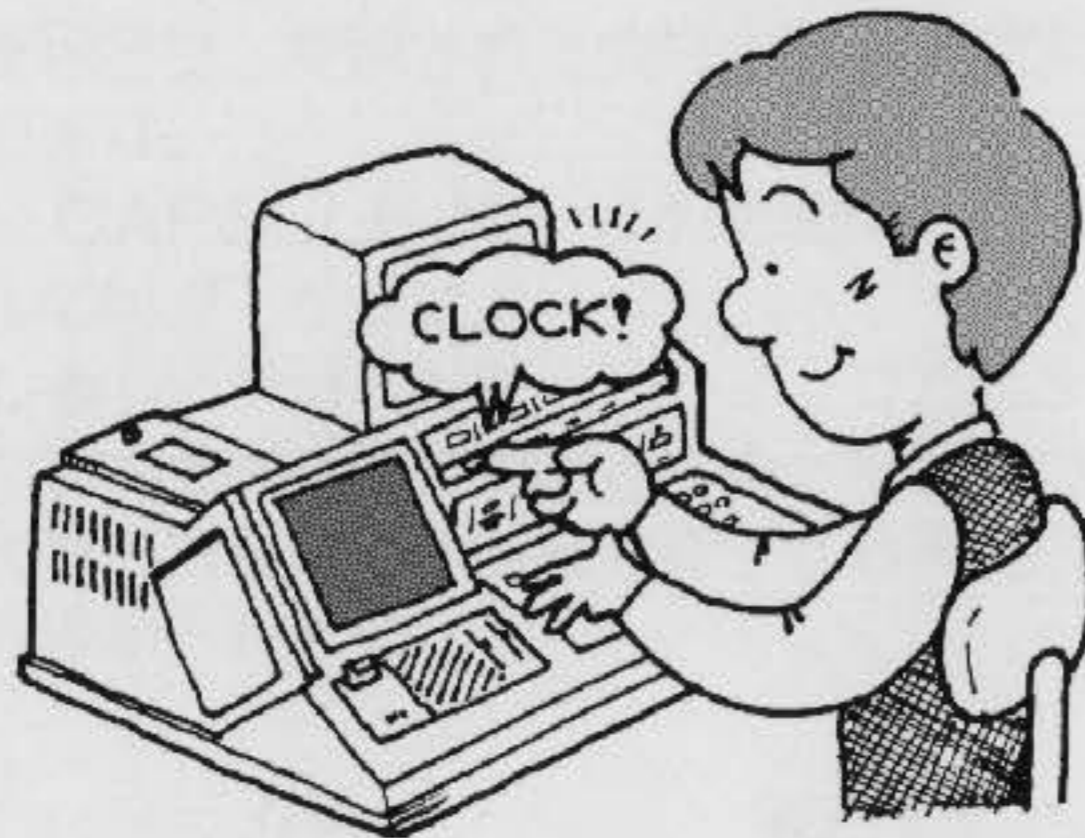


Figure 12

•Schedule•

Which of the following courses would you like to use the "Daily Life" for?
Would you like to do this?

13 months FUNCTION KEY1(FK-1)
26 months FUNCTION KEY2(FK-2)
39 months FUNCTION KEY3(FK-3)
412 months FUNCTION KEY4(FK-4)

1 Press the RETURN KEY.

•Key operation•

■ When you want to listen again FK-2

■ Capsule English text
When you want to read FK-8

■ Reading English Again
When you want to listen FK-4

■ When closing the capsule FK-7-

Press RETURN to proceed to the next lesson.

- You can choose your own learning method.
- Check your progress.

Now, when you finish the English section, an explanation of ♦Key operation♦ will be displayed. FK stands for function key. In CAI learning with CEFUCOM-21, an explanation of key operation is always displayed like this, so you can proceed with your learning by pressing the function keys according to your preferred learning method. Now, look at the learning program display LED on the front of the unit. A yellow lamp is lit where it says ON. This lamp indicates the following:

- AHEAD - Ahead of schedule.
- ON - On schedule.
- BEHIND - Behind schedule.
- CONTINUE Regardless of your progress, if you miss even one day of studying, you will be reminded to continue studying.

When you want to end the day's learning, lightly press the RESET switch for more than one second. The screen will return to the mode selection screen. The chart will remember where you left off, and the next time you start learning, if you use that chart number, it will automatically find the part you left off the previous time and you can continue learning from where you left off.

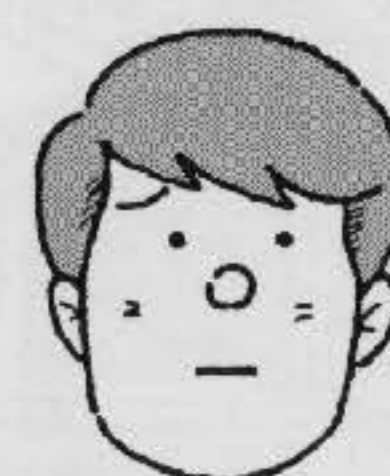
AHEAD



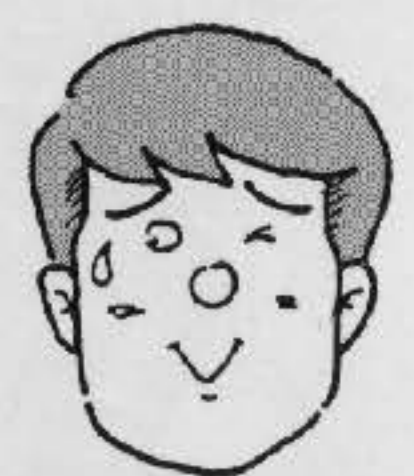
ON



BEHIND



CONTINUE



- What do you make a computer do?
- Screen 1 or 2?

Press the RESET switch to return to the mode selection screen (Fig. 13), then press the function key ③ and the RETURN key to bring up the computer mode-screen. The screen shown in Fig. 14 appears. In this computer mode, you can use the CEFUCOM-21 as a personal computer. You can play commercial game software, use it for mathematics, physics, statistics, and even write your own programs. Make full use of it. For details, see "PC-1 USING PERSONAL COMPUTERS." By studying this, anyone can master the knowledge and skills of personal computers in a short period of time. For now, let's try using a commercial game software. The screen displays "Screen Select (1/2)?" (Fig. 14) Please read the game software's manual carefully. The game software's manual always tells you to choose either 1 or 2, so follow the instructions. As an example, let's use a game called "400m Skiing Downhill." The manual says to specify Screen 2, so press the number 2 on your keyboard.

- Let's play some video games.

What is "CLOAD"?

The screen should now look like Figure 15. Next, press the cassette ejector to open the cassette cover, and insert the game cassette just as you did when learning CA. If the tape is still in the middle, press the rewind button (function key) to rewind the tape. Now, look at the keyboard. Using the alphabet keys, type in CLOAD. The display should look like Figure 16. This is the command used to input the signal on the cassette tape into the computer. Next, put the cassette tape into PLAY mode. Press the function key. Once it is in PLAY mode, put the cassette tape into pause mode. Press the function key. The cassette tape has stopped. You're now ready to go. Press the RETURN key. The cursor will disappear from the screen, and the cassette tape will start to play. After a while, you'll hear a "beep" sound, which will quickly change to a "beep" sound. (This sound is the signal for the computer that is on the cassette tape. If the sound is too loud, turn down the VOLUME control, Figure 15

Figure 13

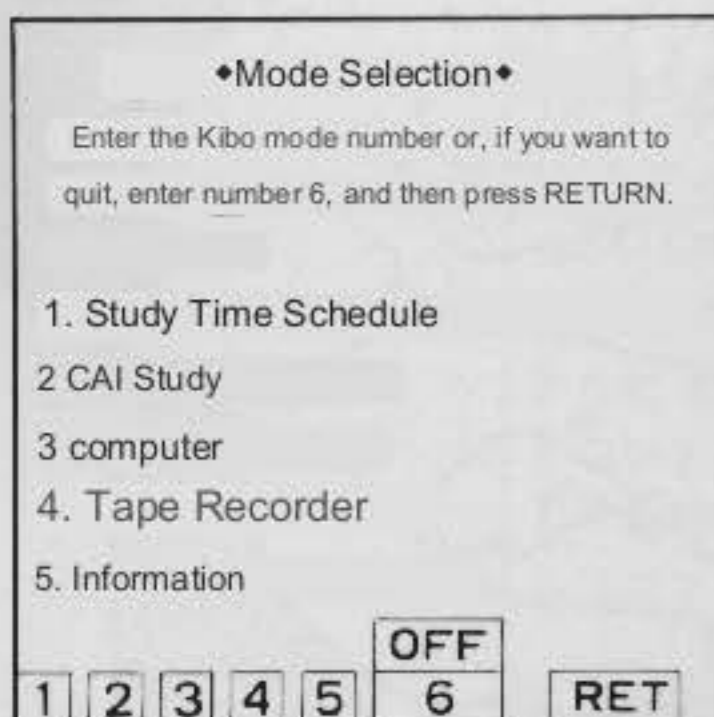


Figure 14

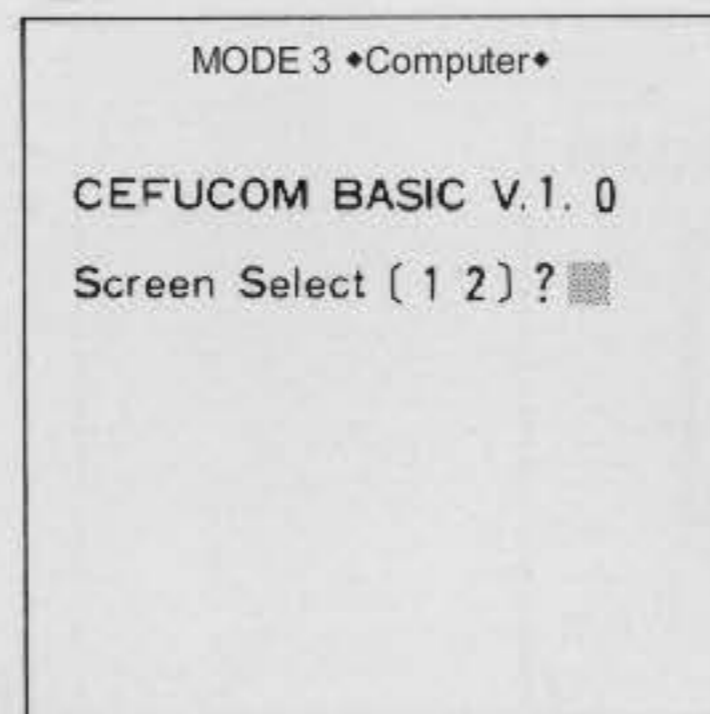
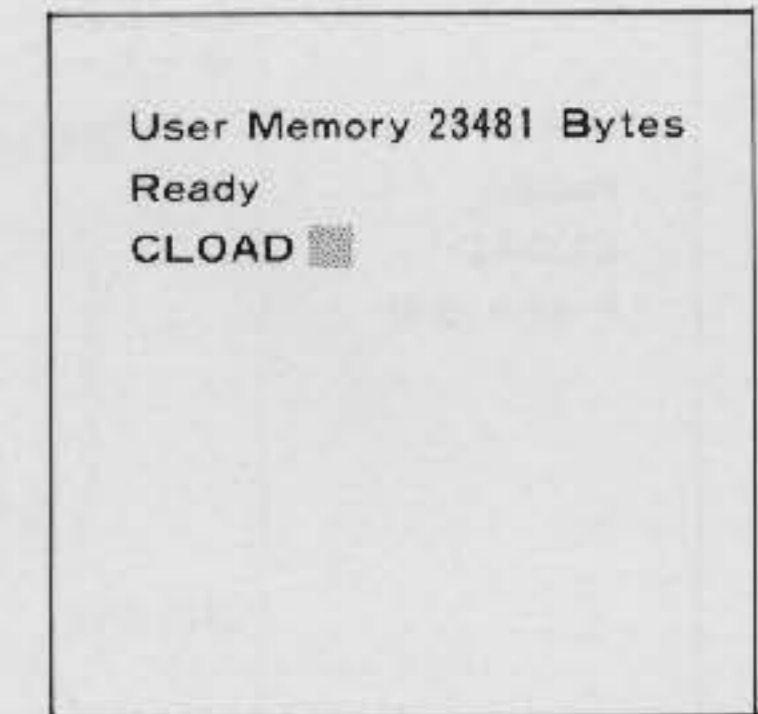
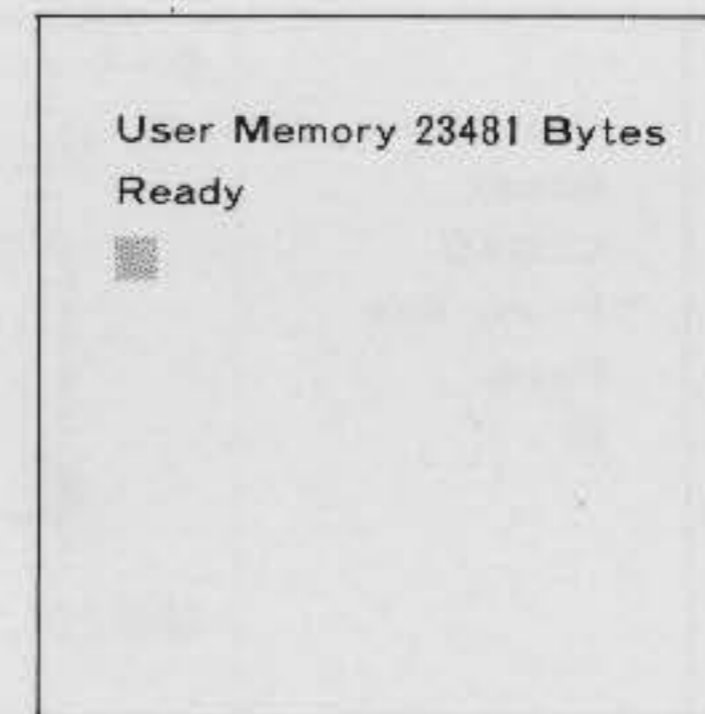


Figure 16



- Press F1 to start the game.

Lologue

Then, as shown in Figure 17, "Found: SKI" will be displayed and will be displayed in the upper right corner of the screen. (This means that the computer has found a program named SKI.) The beep will disappear and the word "Ready" and cursor will appear at the same time. (Figure 18) At this time, the cassette tape will automatically pause. The signal on the cassette tape has now been input into the CEFUCOM-21. Let's start the game right away. Press the blue key labeled "F1" on the top row of the keyboard. The game will start. Just follow the game instructions to play. When you're done playing, press the RESET switch again.

Figure 17

```
User Memory 23481 Bytes *
Ready
CLOAD
Found: SKI
```

Figure 18

```
User Memory 23481 Bytes
Ready
CLOAD
Found: SKI
Ready
█
```

1. Screen 1 or 2?
2. Cassette Tape Set
3.
4.
5.
6. Found: OO
- 7.*
8. Ready
9. F1



MODE 4

-tape recorder

•Take a break here and listen to some music.

•Function keys are magic keys.

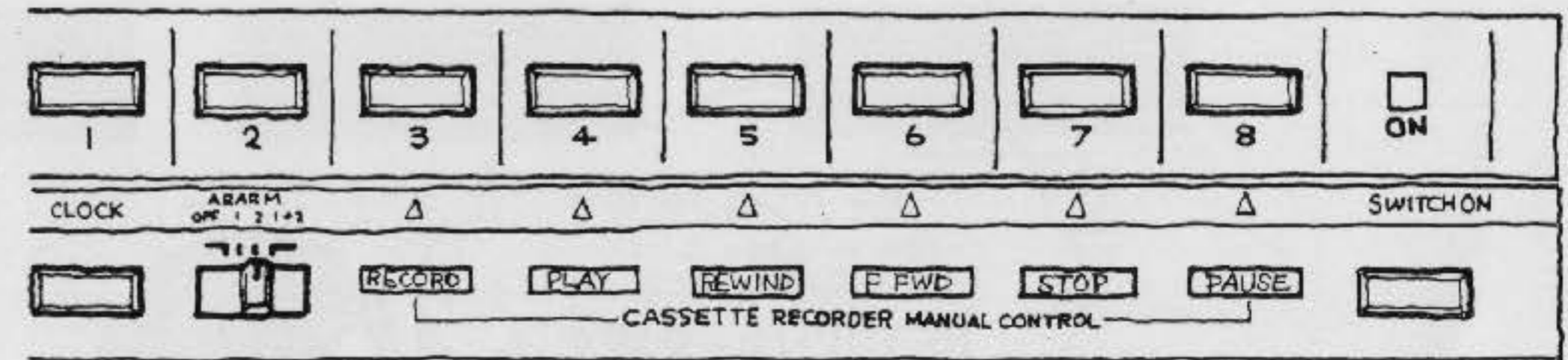
Press the RESET switch to return to the mode selection screen (Fig. 19), then press the function key and the RETURN-key. You should now see the screen shown in Fig. 20. This is the tape recorder mode screen. In this mode, you can use the CEFUCOM-21 as a tape recorder. Now, replace the cassette tape with a music tape. Let's take a look at the function keys. Under the function keys ③ through ⑤, you can see "RECORD", "PLAY", "REWIND", "F.FWD", "STOP", and "PAUSE". In this tape recorder mode, the function keys are used to operate the cassette tape. Let's press the PLAY button. It's function key 4. The display in the center of the screen has changed from STOP to PLAY. (Fig. 21) The display in the center of the screen shows the current status of the cassette tape. To adjust the volume, use the volume control next to the speaker. Now, look at the bottom right of the screen. When the PLAY button is pressed, the time

•You can see the condition of the tape at a glance.

will be displayed. It shows the time since the cassette tape was put into PLAY mode. This display can be cleared by pressing a function key. Next, try the REWIND (rewind) and F.FWD (fast forward) buttons. The status of the tape is displayed in the center of the screen for each.

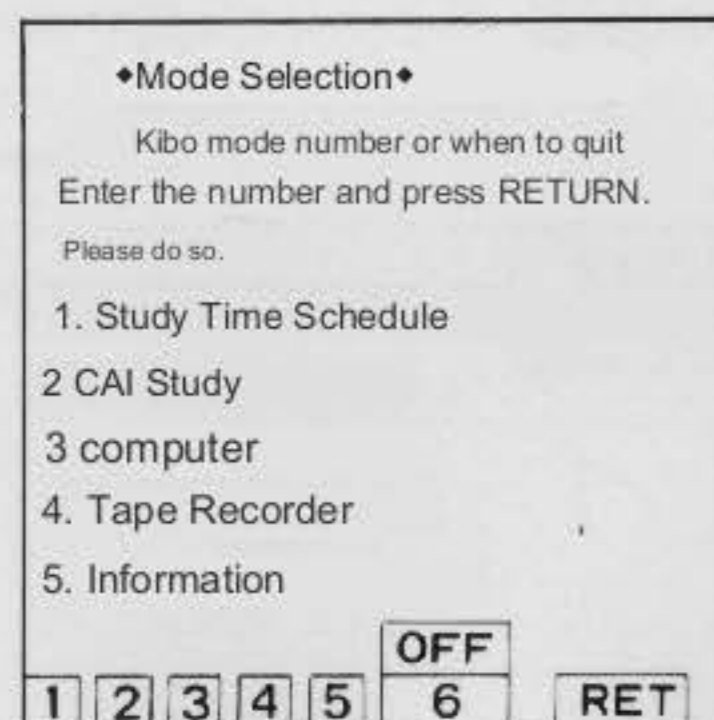
(Note) The RECORD button will automatically start without pressing the PLAY button at the same time. Please note that the unit will automatically enter recording mode. Once you have completed all the operations, STOP the cassette tape and press the RESET switch to return to the mode selection screen.

Good morning.



function key

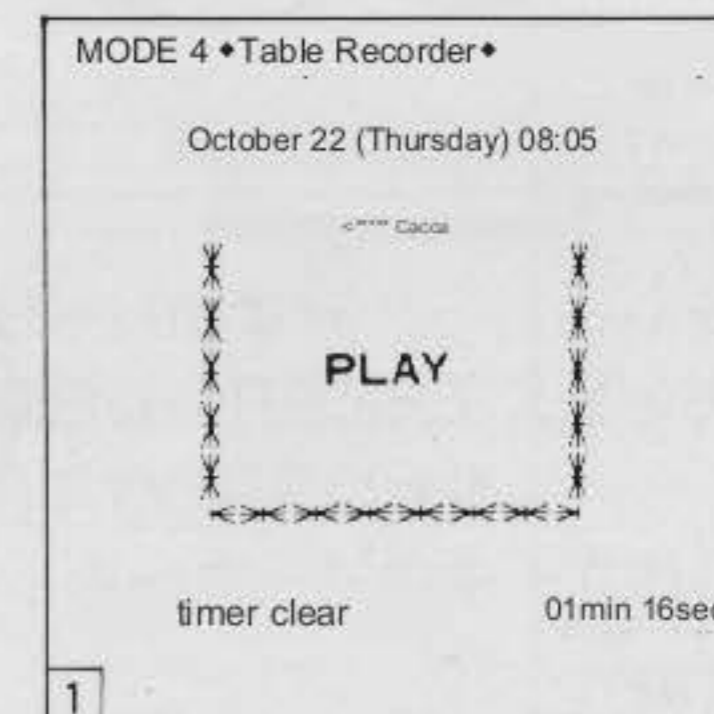
Figure 19



20



21



Switch OFF

Conclusion

When you're done, turn it off.

Finally, we will explain the procedure for switching off the CEFUCOM-21. First, press the RESET switch to go to the mode selection screen. (Figure 38) When you return to the mode selection screen, press the function key twice and then the RETURN key. The screen will disappear and the ON LED on the CEFUCOM-21 will also go out. The CEFUCOM-21's power is now OFF. *Do not turn off the MAIN POWER switch on the back of the CEFUCOM-21 unit. Also, do not unplug the power cord as this will prevent you from managing the learning history.

Above, we have briefly examined the functions of CEFUCOM-21 by actually operating it. However, these are not all the functions that CEFUCOM-21 has. Depending on your ideas, there are many ways to use it. In addition, we plan to develop new CAI learning materials in the future, so we believe that the range of applications will expand greatly and become more diverse. Please make full use of CEFUCOM-21's functions and make it a part of your life.

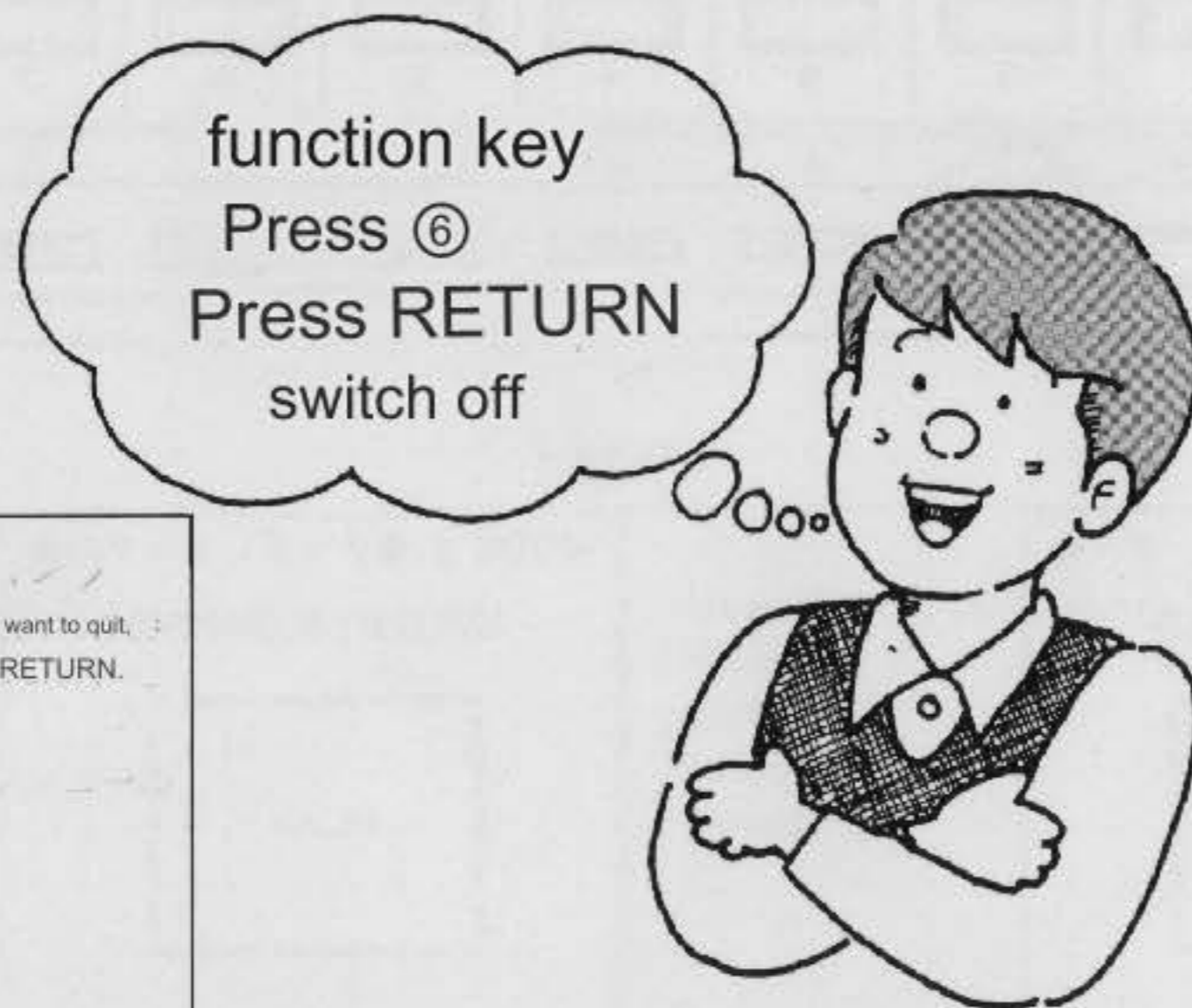
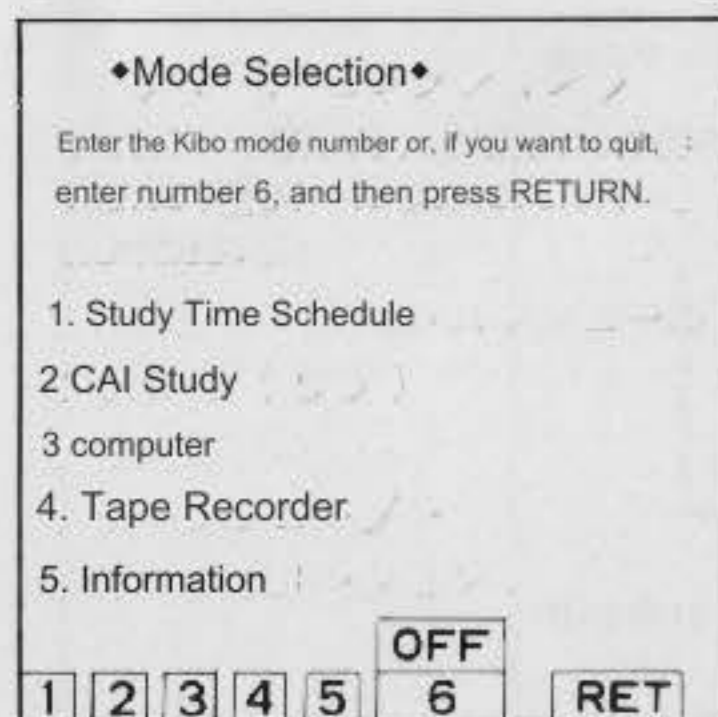
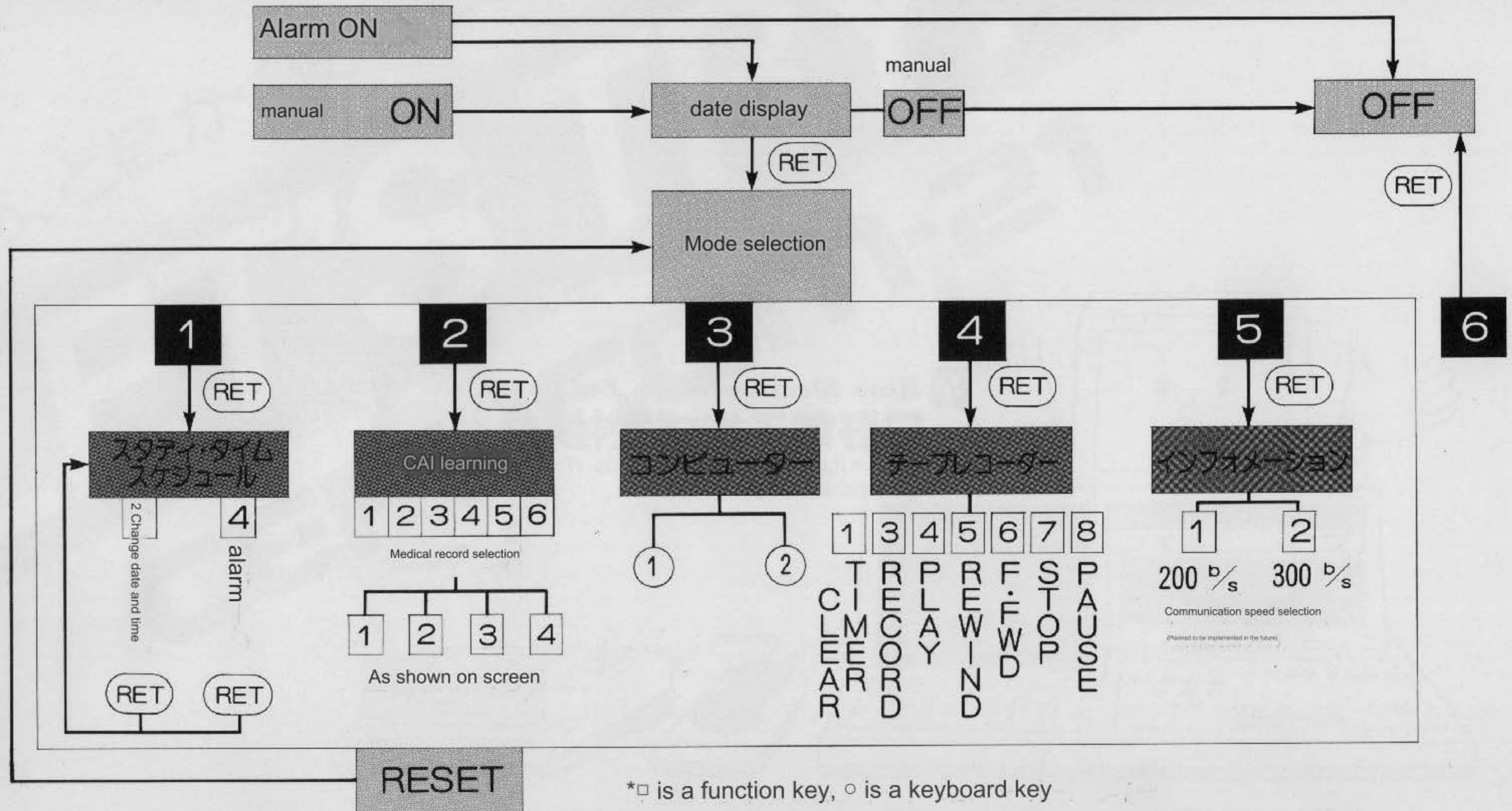


Figure 38



Operation method list



*□ is a function key, ○ is a keyboard key

* In any mode, if you want to stop midway, press the RESET switch to return to the mode selection screen, then press ○RET to turn it OFF.

*Answers in CAI learning EXERCISE are entered using the keys on the keyboard.

 **Hino Electronics Co., Ltd.**

Hino Electronics Co., Ltd.

Head Office: 1-15-17 Hinohonmachi, Hino City, Tokyo 191

Phone: (0425) 85-1221 (main)