



INTERNATIONAL ATOMIC ENERGY AGENCY
UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION



INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS

34100 TRIESTE (ITALY) - P.O. B. 586 - MIRAMARE - STRADA COSTIERA 11 - TELEPHONE: 2240-1
CABLE: CENTRATOM - TELEX 400392-1

SMR.300 - 4

COLLEGE ON MEDICAL PHYSICS

10 October - 4 November 1988

COMPUTER MANAGEMENT OF PREVENTIVE MAINTENANCE

Program print-outs

C. TAYLOR

INTERNATIONAL ATOMIC ENERGY AGENCY

C M P M

(Computer Management of Preventive Maintenance)

Program print-outs

C. Taylor
Vienna
August 1988

MOI

RETURN

M 02

M02

CASE \$FL='7'

1

```

CASE SEL='8'
DO [INFSEARCH]
CASE SEL='9'
DO [GENREP]
CASE UPPER(SEL)='G'
DO [GRAPHIC]
CASE UPPER(SEL)='S'
DO [PMSUMMARY]
CASE UPPER(SEL)='I'
DO [INITIALISE]
CASE UPPER(SEL)='X'
CLEAR ALL
EXIT
ENDCASE
ENDDO
RETURN

```

800

900

G00

S00

I00

```

*PROGRAM NAME: CNF.PRG
*27/06/86, AMP/VICHIEU (THAILAND, DAEP)
*Subroutine, accepts a selection or menu choice ("Choose No. of Function")
*
L=1
BLA=SPACE(0)
DO WHILE L<>0
@W,0 SAY "&P"+&DUMMY+BLA
@W-1,75 SAY ' '
BLA=SPACE(0)
WAIT "&P"+ &DUMMY+BLA TO JU
L=LEN(JU)
IF L<>0
BLA=' '
ENDIF
ENDDO
RETURN

```

Ref: M03

M03

```

*PROGRAM NAME PD.PRG
*25/2/86 CHUNG
*Subroutine, "print or display".
*
P="      ENTER 'P' FOR PRINT OR 'D' FOR DISPLAY: "
DUMMY='OUT'
W=R+10
DO WHILE .NOT.(UPPER(OUT) $ 'PD')
@W,C
@W-1,C SAY ' '
WAIT "&P" TO OUT
ENDDO
DO CNF
IF UPPER(OUT)='D'
@R+12,3 SAY 'PRESS Ctrl - S TO STOP SCROLLING DURING THE REPORT'
@R+13,3 SAY 'AND PRESS ANY KEY TO CONTINUE AFTER STOPPING'
@R+18,0 SAY ' '
WAIT '          PRESS ANY KEY TO START REPORT ' TO DUMMY
ENDIF
RETURN

```

Ref: M04

M04

*PROGRAM NAME:ADDINST.PRG Ref: 000
 *AMP/VICHEN/VIBHAVA/DEVITA/CHOWDHURY 01/07/86
 *Add a new instrument to inventory.
 *

000

```

RESTORE FROM MSG
CLEAR
SET TALK OFF
ADD='Y'
DO WHILE UPPER(ADD)='Y'
  CLEAR
  K=0
  R=01
  C=02
  @R+0,C-1 SAY 'GROUP NO.  GROUP TYPE'
  @R+1,C-1 SAY '*****  *****'
  @R+2,C SAY '0      Nuclear safety'
  @R+3,C SAY '1      Instrument protection'
  @R+4,C SAY '2      Standards'
  @R+5,C SAY '3      Nuclear instruments'
  @R+6,C SAY '4      Recorders'
  @R+7,C SAY '5      Analytical instruments'
  @R+8,C SAY '6      Servicing instruments'
  @R+9,C SAY '7      Auxilliary equipment'
  @R+10,C SAY '8      Nuclear detectors'
  @R+11,C SAY '9      Special systems'
  @R+12,C SAY 'R      Return to CPM function menu'
  P="DO YOU KNOW TO WHICH GROUP YOUR INSTRUMENT BELONGS ? (Y/N): "
  W=R+15
  DUMMY='ANS'
  ANS=""
  DO WHILE .NOT. (UPPER(ANS) $ 'YN')
    @W,0 CLEAR
    @W-1,C SAY " "
    WAIT "&P" TO ANS
    IF ANS = "R"
      RETURN
    ENDIF
  ENDDO
  DO CNF
  IF ANS= 'N'
    @13,0 CLEAR
    @14,0 CLEAR
    KNOW = 'N'
    STAR=""
    DNCE = 1
    DO WHILE KNOW = 'N'
      P='&STAR'+ 'CHOOSE GROUP NUMBER TO DISPLAY: '
      DUMMY='ELECT'
      W=14
      ELECT=""
      DO WHILE .NOT. (UPPER(ELECT) $ '0123456789')
        @W,32 SAY " "
        @W-1,2 SAY " "
        WAIT "&P" TO ELECT
      ENDDO
      DO CNF
      STAR='*'
      IF DNCE = 1
        DNCE = 0
        DO RECTANGLE WITH 36,19,0,0

```

012

000

```

ELSE
  DNCE = 0
ENDIF
@ 0,37 CLEAR
DO CASE
  CASE ELECT='0'
    DO (NSMENU) WITH 01,40,46,56
  CASE ELECT='1'
    DO (PRMENU) WITH 01,40,46,56
  CASE ELECT='2'
    DO (STMENU) WITH 01,40,46,56
  CASE ELECT='3'
    DO (NIMENU) WITH 01,40,46,56
  CASE ELECT='4'
    DO (REMENU) WITH 01,40,46,56
  CASE ELECT='5'
    DO (AIMENU) WITH 01,40,46,56
  CASE ELECT='6'
    DO (RIMENU) WITH 01,40,46,56
  CASE ELECT='7'
    DO (AEMENU) WITH 01,40,46,56
  CASE ELECT='8'
    DO (NOMENU) WITH 01,40,46,56
  CASE ELECT='9'
    DO (SSMENU) WITH 01,40,46,56
ENDCASE ELECT
P='*'+SPACE(35)+'*'+ ' IS YOUR INSTRUMENT IN THIS GROUP?(Y/N): '
DUMMY='KNOW'
W=R+17
KNOW=""
DO WHILE .NOT. (UPPER(KNOW) $ 'YN')
  @W-1,40 CLEAR
  WAIT "&P" TO KNOW
ENDDO
DO CNF
ENDDO
BLANK = SPACE(39)
DO (POENTRY) WITH 1,49,BLANK
ELSE
  IF ANS='Y'
    P='ENTER GROUP NO: '
    DUMMY='ELECT'
    W=18
    ELECT=""
    DO WHILE .NOT. (UPPER(ELECT) $ '0123456789R')
      @W-1,0 CLEAR
      @W,0 CLEAR
      @W-1,0 SAY " "
      WAIT "&P" TO ELECT
    ENDDO
    DO CNF
    CLEAR

```

```

DO CASE
CASE ELECT = '0'
DO [NSMENU] WITH 3,3,9,19
CASE ELECT = '1'
DO [PRMENU] WITH 3,3,9,19
CASE ELECT = '2'
DO [STMENU] WITH 3,3,9,19
CASE ELECT = '3'
DO [NIMENU] WITH 3,3,9,19
CASE ELECT = '4'
DO [REMENU] WITH 3,3,9,19
CASE ELECT = '5'
DO [AIMENU] WITH 3,3,9,19
CASE ELECT = '6'
DO [RIMENU] WITH 3,3,9,19
CASE ELECT = '7'
DO [AEMENU] WITH 3,3,9,19
CASE ELECT = '8'
DO [NDMENU] WITH 3,3,9,19
CASE ELECT = '9'
DO [SSMENU] WITH 3,3,9,19
CASE UPPER(ELECT) = "R"
CLEAR ALL
RETURN
ENDCASE ELECT
BLANK = SPACE(8)
DO [POSENTRY] WITH 3,9, BLANK
ENDIF
CLEAR
IF ANS<>'R'
P='WOULD YOU LIKE TO ADD ANOTHER INSTRUMENT ?(Y/N): '
DUMMY='ADD'
W=11
ADD=' '
DO WHILE .NOT. (UPPER(ADD) $ 'YN')
@W-1,4 CLEAR
WAIT "&P" TO ADD
ENDDO
DO CNF
ELSE
ADD=' '
ENDIF
ENDDO
CLOSE DATABASES
RETURN

```

Ref: 001

```

*PROGRAM NAME: NSMENU.PRG
*MORSHED U. CHOWDHURY 17/11/85
*Instrument menu 0.
*
PARAMETERS R,C,K,P
@R,C SAY 'NUCLEAR SAFETY INSTRUMENTS MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'ALARM/NUCL.FIRE'
@R+6,K SAY '2'
@R+6,P SAY 'POCKET DOSEMETER'
@R+7,K SAY '3'
@R+7,P SAY 'GAMMA SURVEY METER'
@R+8,K SAY '4'
@R+8,P SAY 'ALPHA/BETA COUNTER'
@R+9,K SAY '5'
@R+9,P SAY 'NEUTRON DOSEMETER'
@R+10,K SAY '6'
@R+10,P SAY 'TLD'
@R+11,K SAY '7'
@R+11,P SAY 'AIR/LIQ MONITOR'
@R+12,K SAY '8'
@R+12,P SAY 'BODY/HAND/FOOT MONITOR'
@R+13,K SAY '9'
@R+13,P SAY 'DECONTAMINATION MONITOR'
TAGTENS=00
RETURN

```

Ref: 002

```

*PROGRAM NAME PRMENU.PRG
*ANISA BEGUM 17/11/85
*Instrument menu 1.
*
PARAMETERS R,C,K,P
@R,C SAY 'PRESERVATION INSTRUMENTS MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'SAFETY CIRC./SW.'
@R+6,K SAY '2'
@R+6,P SAY 'LAB. ENVIRONMENT'
@R+7,K SAY '3'
@R+7,P SAY 'DEHUM./AIR-CON.'
@R+8,K SAY '4'
@R+8,P SAY 'D.O. RELAY VARIST'
@R+9,K SAY '5'
@R+9,P SAY 'CVT'
@R+10,K SAY '6'
@R+10,P SAY 'NETWORK/GROUND'
@R+11,K SAY '7'
@R+11,P SAY 'COVER/DOOR/WINDOW'
@R+12,K SAY '8'
@R+12,P SAY 'EMERGENCY POWER'
@R+13,K SAY '9'
@R+13,P SAY 'FIRST AID KIT'
TAGTENS=10
RETURN

```

*PROGRAM NAME:STMENU.PRG
*ANISA BEGUM 17/11/85
*Instrument menu 2.

Ref: 003

003

```

*
PARAMETERS R,C,K,P
@R,C SAY 'STANDARDS INSTRUMENT MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'RADIATION SOURCE'
@R+6,K SAY '2'
@R+6,P SAY 'DOSEMETER'
@R+7,K SAY '3'
@R+7,P SAY 'DOSE CALIBRATOR'
@R+8,K SAY '4'
@R+8,P SAY 'D.C. SOURCE'
@R+9,K SAY '5'
@R+9,P SAY 'D.C.METER AVO'
@R+10,K SAY '6'
@R+10,P SAY 'A.C. SOURCE'
@R+11,K SAY '7'
@R+11,P SAY 'A.C.METER AVO'
@R+12,K SAY '8'
@R+12,P SAY 'PREC.PULSE GENERATOR'
@R+13,K SAY '9'
@R+13,P SAY 'OTHER'
TAGTENS=20
RETURN
    
```

*PROGRAM NAME : REMENU.PRG
*ANISA BEGUM 18/11/85
*Instrument menu 4.

Ref: 005

005

```

*
PARAMETERS R,C,K,P
@R,C SAY 'RECORDERS MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'CHART,PEN/THERMO'
@R+6,K SAY '2'
@R+6,P SAY 'XY PLOTTER'
@R+7,K SAY '3'
@R+7,P SAY 'PRINTER/TELETYPE'
@R+8,K SAY '4'
@R+8,P SAY 'PAPER TAPE PUNCH'
@R+9,K SAY '5'
@R+9,P SAY 'MAGNETIC TAPE'
@R+10,K SAY '6'
@R+10,P SAY 'VIDEO'
@R+11,K SAY '7'
@R+11,P SAY 'PHOTOGRAPHIC'
@R+12,K SAY '8'
@R+12,P SAY 'RH/T AND V'
@R+13,K SAY '9'
@R+13,P SAY 'OTHER'
TAGTENS=40
RETURN
    
```

*PROGRAM NAME:NIMENU.PRG
*MORSHED U.CHOWDHURY 17/11/85
*Instrument menu 3.

Ref: 004

004

```

*
PARAMETERS R,C,K,P
@R,C SAY 'NUCLEAR INSTRUMENTS MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'BIN D.C. SUPPLY'
@R+6,K SAY '2'
@R+6,P SAY 'PRE/LIN/LOG AMPLIFIER'
@R+7,K SAY '3'
@R+7,P SAY 'SCALER/TIMER'
@R+8,K SAY '4'
@R+8,P SAY 'SCA/DD'
@R+9,K SAY '5'
@R+9,P SAY 'MCA'
@R+10,K SAY '6'
@R+10,P SAY 'MCA WITH COMPUTER'
@R+11,K SAY '7'
@R+11,P SAY 'SAMPLE CHANGER'
@R+12,K SAY '8'
@R+12,P SAY 'NIM/CAMAC MODULE'
@R+13,K SAY '9'
@R+13,P SAY 'OTHER'
TAGTENS=30
RETURN
    
```

*PROGRAM NAME AIMENU.PRG
*ANISA BEGUM 18/11/85
*Instrument menu 5.

Ref: 006

006

```

*
PARAMETERS R,C,K,P
@R,C SAY 'ANALYTICAL INSTRUMENTS MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'PH METER'
@R+6,K SAY '2'
@R+6,P SAY 'GAS CHROMATOGRAPH'
@R+7,K SAY '3'
@R+7,P SAY 'LIQUID CHROMATOGRAPH'
@R+8,K SAY '4'
@R+8,P SAY 'OXYGEN ANALYSER'
@R+9,K SAY '5'
@R+9,P SAY 'HYDROGEN ANALYSER'
@R+10,K SAY '6'
@R+10,P SAY 'DIFF. THERMAL ANALYSER'
@R+11,K SAY '7'
@R+11,P SAY 'SPECTROMETER'
@R+12,K SAY '8'
@R+12,P SAY 'COLORIMETER'
@R+13,K SAY '9'
@R+13,P SAY 'OTHER'
TAGTENS=50
RETURN
    
```

Ref: 007

007

```
*PROGRAM NAME:RIMENU.PRG
*ANISA BEGUM 18/11/85
*Instrument menu 6.
*
PARAMETERS R,C,K,P
@R,C SAY 'REPAIR INSTRUMENTS MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'AVD METER'
@R+6,K SAY '2'
@R+6,P SAY 'DIGITAL MULTIMETER'
@R+7,K SAY '3'
@R+7,P SAY 'OSCILLOSCOPE'
@R+8,K SAY '4'
@R+8,P SAY 'FUNCTION GENERATOR'
@R+9,K SAY '5'
@R+9,P SAY 'NUCLEAR PULSE GENERATOR'
@R+10,K SAY '6'
@R+10,P SAY 'ELECTRIC TOOLS'
@R+11,K SAY '7'
@R+11,P SAY 'DIGITALS PROBES'
@R+12,K SAY '8'
@R+12,P SAY 'H.V. TEST UNIT'
@R+13,K SAY '9'
@R+13,P SAY 'OTHER'
TAGTENS=60
RETURN
```

Ref: 009

009

```
*PROGRAM NAME:NDMENU.PRG
*MORSHED U. CHOWDHURY 18/11/85
*Instrument menu 8.
*
PARAMETERS R,C,K,P
@R,C SAY 'NUCLEAR DETECTORS MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'ION CHAMBER'
@R+6,K SAY '2'
@R+6,P SAY 'PROPORTIONAL COUNTER'
@R+7,K SAY '3'
@R+7,P SAY 'G. M. COUNTER'
@R+8,K SAY '4'
@R+8,P SAY 'LIQUID SCINT DETECTOR'
@R+9,K SAY '5'
@R+9,P SAY 'SOLID SCINT DETECTOR'
@R+10,K SAY '6'
@R+10,P SAY 'GeLi/SiLi DETECTOR'
@R+11,K SAY '7'
@R+11,P SAY 'INTRINSIC Ge DETECTOR'
@R+12,K SAY '8'
@R+12,P SAY 'SURFACE BARRIER DETECTOR'
@R+13,K SAY '9'
@R+13,P SAY 'OTHER'
TAGTENS=80
RETURN
```

Ref: 008

008

```
*PROGRAM NAME:AEMENU.PRG
*MORSHED U. CHOWDHURY 18/11/85
*Instrument menu 7.
*
PARAMETERS R,C,K,P
@R,C SAY 'AUXILIARY EQUIPMENTS MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'OVEN/HOT PLATE'
@R+6,K SAY '2'
@R+6,P SAY 'DEWAR'
@R+7,K SAY '3'
@R+7,P SAY 'CENTRIFUSE'
@R+8,K SAY '4'
@R+8,P SAY 'REFRIGERATOR'
@R+9,K SAY '5'
@R+9,P SAY 'VACUM PUMP'
@R+10,K SAY '6'
@R+10,P SAY 'COMPRESSOR'
@R+11,K SAY '7'
@R+11,P SAY 'HOT WATER BATH'
@R+12,K SAY '8'
@R+12,P SAY 'BALANCE'
@R+13,K SAY '9'
@R+13,P SAY 'OTHER'
TAGTENS=70
RETURN
```

Ref: 010

010

```
*PROGRAM NAME:SSMENU.PRG
*ANISA BEGUM 18/11/85
*Instrument menu 9.
*
PARAMETERS R,C,K,P
@R,C SAY 'SPECIAL SYSTEM MENU'
@R+1,C SAY '-----'
@R+3,C SAY HEAD
@R+4,C SAY LINE
@R+5,K SAY '1'
@R+5,P SAY 'REACTOR CONTROL'
@R+6,K SAY '2'
@R+6,P SAY 'ACCELERATOR'
@R+7,K SAY '3'
@R+7,P SAY 'COMPUTER'
@R+8,K SAY '4'
@R+8,P SAY 'TELCOMM'
@R+9,K SAY '5'
@R+9,P SAY 'NUCLEAR IMAGING'
@R+10,K SAY '6'
@R+10,P SAY 'NUCL. MED. INSTRUMENTS'
@R+11,K SAY '7'
@R+11,P SAY 'GEOPHYSICAL'
@R+12,K SAY '8'
@R+12,P SAY 'PROCESS CONTROL'
@R+13,K SAY '9'
@R+13,P SAY 'OTHER'
TAGTENS=90
RETURN
```

```
*PROGRAM POENTRY.PRG
*14 JAN 86. AMP/PRAYITO
*Subroutine in ADDINST. Accepts choice of instrument type.
*
PARAMETERS R,K,BLANK
P='&BLANK '+'&ENTMSG'
DUMMY='INSEL'
W=R+19
INSEL=' '
DO WHILE .NOT. (UPPER(INSEL) $ '123456789')
@W,0 CLEAR
@W-1,K SAY ' '
WAIT "&P" TO INSEL
ENDDO
DO CNF
DO CALTAG
RETURN
```

Ref: 011

011

```
*PROGRAM RECTANGLE.PRG
*16/1/86 NGATINU/SUDIYANTO
*Draws frame round instrument group menu.
*
PARAMETERS L,W,SR,SC
L1=L
W1=W
DO WHILE L1<>0
@SR,SC SAY '*'
@SR+W,SC SAY '*'
SC=SC+1
L1=L1-1
ENDDO
DO WHILE W1<>0
@SR,SC SAY '*'
@SR,SC-L SAY '*'
SR=SR+1
W1=W1-1
ENDDO
RETURN
```

Ref: 012

012

```
*PROGRAM NAME:CALTAG.PRG
*11/18/85.
*Gives Tag Number. Questionnaire for entering instrument data.
*
UNITS=VAL(INSEL)
PTAGNO=TAGTENS+UNITS
SELECT 5
USE PLCYMTX
GOTO PTAGNO+1
IF (NOINSTDEL=0) .AND. (NO_OF_INST=99)
CLEAR
? 'NO OF INSTRUMENTS IN THIS GROUP TYPE ARE ALREADY FULL'
WAIT 'PRESS ANY KEY TO PROCEED' TO DUMMY
ELSE
IF NOINSTDEL<>0 .AND. NO_OF_INST = 99
INSCOUNT=NO_OF_INST
USE
SELECT 6
USE INSTDEL INDEX DELTAG
GOTO TOP
FOUND=.N.
DO WHILE .NOT.FOUND
IF PTAGNO<>INT(TAGNO/100)
SKIP
ELSE
FNTAGNO=TAGNO
FOUND=.Y.
ENDIF
ENDDO
ELSE
INSCOUNT=NO_OF_INST+1
GOTO (PM_SCH_NO-1)*10+1
GOTO TOP
USE
FNTAGNO=PTAGNO*100+INSCOUNT
ENDIF
SELECT 8
USE INSTINF INDEX TAGINST
CLEAR
GOTO BOTTOM
APPEND BLANK
TG=STR(FNTAGNO)
INF=' '
DO WHILE .NOT. UPPER(INF)='Y'
INF=' '
CLEAR
R=1
C=3
```

Ref: 013

D14

D05

D01


```

ER,C SAY ' TAG NUMBER &TG'
ER+1,C SAY ' NAME OF THE INSTRUMENT' GET INST_NAME
ER+2,C SAY ' LOCATION OF THE INSTRUMENT' GET INST_LOC
ER+3,C SAY ' PRICE IN LOCAL CURRENCY' GET PRICE_LOC
ER+4,C SAY ' DATE OF ARRIVAL (MM/DD/YY)' GET DT_ARRVL
ER+5,C SAY ' INVENTORY NUMBER' GET INVT_NO
ER+6,C SAY ' YEAR OF MANUFACTURE' GET YR_MNFRC
ER+7,C SAY ' NAME OF MANUFACTURER' GET MNFRC_NAME
ER+8,C SAY ' ADDRESS OF MANUFACTURER' GET ADDR_MNFRC
ER+9,C SAY ' TELEX NUMBER OF MANUFACTURER' GET TLEX_MNFRC
ER+10,C SAY ' PHONE NO. OF MANUFACTURER' GET MNFRC_PHON
ER+11,C SAY ' NAME OF THE SUPPLIER' GET SUPLR_NAME
ER+12,C SAY ' ADDRESS OF SUPPLIER' GET ADDR_SUPLR
ER+13,C SAY ' PHONE NO. OF SUPPLIER' GET SUPLR_PHON
ER+14,C SAY ' PRICE IN FOREIGN CURRENCY' GET PRICE_FC
ER+15,C SAY ' MODEL NUMBER' GET MODEL_NO
ER+16,C SAY ' SERIAL NUMBER' GET SERIAL_NO
ER+17,C SAY ' DATE OF COMMISSIONING(MM/DD/YY)' GET DT_COMMIS
ER+18,C SAY ' END OF WARRENTY(MM/DD/YY)' GET END_WARNTY
ER+19,C SAY ' REPAIR CONTRACT' GET RPIR_CONTR
ER+20,C SAY ' MAIN USER OF THE INSTRUMENT' GET MAIN_USER
ER+21,C SAY ' PERSON ACCOMPANYING FOR PM' GET PARTNER
READ
CLEAR
ER+1,C SAY ' MAIN OPERATOR OF THE INSTRUMENT' GET MAIN_OPTR
ER+2,C SAY ' PHONE NO. OF THE USER' GET USER_PHON
ER+3,C SAY ' IS OPERATING MANUAL AVAILABLE?(Y/N)' GET OPRT_MANL
ER+4,C SAY ' IS SERVICE MANUAL AVAILABLE ? (Y/N)' GET SRVC_MANL
ER+5,C SAY ' IS CIRCUIT DIAGRAM AVAILABLE ?(Y/N)' GET CKT_DIAG
ER+6,C SAY ' LOCATION OF THE MANUAL' GET MANL_LOC
ER+7,C SAY ' IS PARTS LIST AVAILABLE ? (Y/N)' GET PARTS_LIST
ER+8,C SAY ' ACCESSORIES LIST' GET ACCRS
ER+9,C SAY ' POWER CONSUMPTION WATT/ VOLT-AMP' GET WATT_VA
ER+10,C SAY ' RANGE OF OPERATING VOLTAGE' GET OPRT_VOLT
ER+11,C SAY ' RANGE OF RELATIVE HUMIDITY' GET RH
ER+12,C SAY ' RANGE OF OPERATING TEMPERATURE' GET TEMP
ER+13,C SAY ' TYPE OF STABILIZER USED ' GET STBLR_USED
ER+14,C SAY ' TYPE & CAPACITY OF DROP OUT RELAY' GET OOR_CAP
ER+15,C SAY ' NAME OF PREVENTIVE MAINTENANCE HEAD' GET PM_HEAD
ER+16,C SAY ' PHONE NO. OF PM HEAD' GET PMHEADPHON
ER+17,C SAY ' LIST OF SPECIAL TEST EQUIPMNET' GET SP_TST_EQP
ER+18,C SAY ' SPARES AVAILABLE ? (Y/N)' GET SPARE_AVIL
ER+19,C SAY ' LIST OF ASSOCIATED EQUIPMENTS' GET PERIPHERAL
ER+20,C SAY ' REFERENCE FOR PM PROCEDURE' GET PM_REF
READ
P=

```

IS THE INFORMATION OK ?(Y/N):'

```

DUMMY='INF'
W=R+22
DO WHILE .NOT.(UPPER(INF) $ 'YN')
  @W,C CLEAR
  @W-1,C SAY '
  WAIT "&P" TO INF
ENDDO
DO CNF
ENDDO

```

```

IF INF='Y'
  REPLACE INS_UND_RE WITH .T.
  TEMPLOC=INST_LOC
  DTARR=DTOC(DT_ARRVL)
  PRICE=STR(PRICE_LOC)
  L=LEN(PRICE)
  IF TEMPLOC= SPACE(15).OR.(DTARR=' / / ').OR.PRICE=SPACE(10).OR.PRICE=SPACE(L-1)+'0'
    CLEAR
    ? 'EITHER LOCATION/PRICE IN LOCAL CURRENCY/DATE OF ARRIVAL IS NOT ENTERED'
    DO WHILE TEMPLOC=SPACE(15).OR.DTARR=' / / '.OR.PRICE=SPACE(10).OR.PRICE =SPACE(L-1)+'0'
      @R+10,C SAY 'LOCATION OF THE INSTRUMENT' GET INST_LOC
      @R+11,C SAY ' PRICE IN LOCAL CURRENCY ' GET PRICE_LOC
      @R+12,C SAY ' DATE OF ARRIVAL ' GET DT_ARRVL
    READ
    TEMPLOC=INST_LOC
    DTARR=DTOC(DT_ARRVL)
    PRICE=STR(PRICE_LOC)
    L=LEN(PRICE)
  ENDDO
ENDIF
INSTNAME=INST_NAME
SELECT 7
USE PLCYMTX
GOTO PTAGNO+1
REPLACE NO_OF_INST WITH INSCOUNT
IF NOINSTDEL<>0 .AND. NO_OF_INST = 99
  NODEL=NOINSTDEL-1
  REPLACE NOINSTDEL WITH NODEL
  FLAGDEL='Y'
ELSE
  FLAGDEL='N'
ENDIF
USE
ELSE
  DELE
  PACK
  USE
ENDIF
DO WHILE INF='Y'
  SELECT 7
  USE SCHPAR INDEX TAGSCH, PMLV2SCH
  GOTO BOTTOM
  APPEND BLANK
  REPLACE INST_LOC WITH TEMPLOC
  REPLACE INST_NAME WITH INSTNAME
  DO UPDATE
  RETURN

```

D14

D02

014

*PROGRAM NAME:UPDATE.PRG Ref: 014
 *VNCHDALAT 04/01/86. AMP/MINH/CON/EDWARD.
 *Accepts names of people doing maintenance, with skill factors, quality factor for ins
 ment, starting date.

```

*
SET TALK OFF
SELECT 2
USE UNLOCAT INDEX LDCATION
FIND &TEMPLOC
IF EOF()
  APPEND BLANK
  REPLACE INST_LOC WITH TEMPLOC
ENDIF
REPLACE NO_OF_INST WITH NO_OF_INST+1
SELECT 7
CLEAR
R=3
C=3
OK='N'
DO WHILE UPPER(OK)='N'
  @R+0,C SAY '   NAME THE PERSON DOING LEVEL2 PM'GET PM_PER_LV2
  @R+1,C SAY '   NAME THE PERSON DOING LEVEL3 PM'GET PM_PER_LV3
  @R+2,C SAY '   QUALITY FACTOR OF THE INSTRUMENT'GET Q_FACTOR
  @R+4,C-2 SAY '(QUALITY FACTOR:1=GOOD 2=NORMAL 3=BAD)'
  @R+3,C SAY 'SKILL & EXPERIENCE OF LEVEL 2 PERSON'GET SKI_EXP_FA
  @R+5,C-2 SAY '(SKILL & EXP:1=GOOD 2=NORMAL 3=JUNIOR)'
  READ
  P=
  DUMMY='OK'
  W=R+9
  OK=
  DO WHILE .NOT.UPPER(OK) & 'YN'
    @W,C
    @W-1,C SAY ' '
    WAIT "&P" TO OK
  ENDDO
  DO CNF
ENDDO
REPLACE SCHEDULE WITH .N.
IF PM_PER_LV2 =SPACE(25)
  CLEAR
  DO WHILE PM_PER_LV2=SPACE(25)
    ? '   PERSON FOR LEVEL2 JOBS IS NOT ENTERED'
    @R+10,C SAY ' NAME THE PERSON DOING LEVEL2 PM 'GET PM_PER_LV2
    READ
  ENDDO
ENDIF
PMLV2=PM_PER_LV2
PMLV3=PM_PER_LV3
REPLACE TAGNO WITH FNTAGNO
USE
SELECT 8
REPLACE PM_PER_LV2 WITH PMLV2
REPLACE PM_PER_LV3 WITH PMLV3
REPLACE TAGNO WITH FNTAGNO
USE
  
```

(D09)

```

SELECT 3
USE PMSTWKM INDEX PMPERLV2
GO TOP
IF .NOT. EOF()
  FIND &PMLV2
ENDIF
IF EOF()
  APPEND BLANK
  REPLACE PM_PER_LV2 WITH PMLV2
  REPLACE MAX_INS_WK WITH 5
  SET EXACT OFF
  START=0
  PMLV2=TRIM(PMLV2)
  DO WHILE (START>52 .OR. START<=0)
    CLEAR
    @5,0
    @4,0 SAY ' '
    INPUT 'ENTER START WEEK NUMBER FOR '+'&PMLV2' '+' (1 TO 52):' TO START
  ENDDO
  REPLACE STRTWEEK WITH START
  REPLACE SLIDE WITH 0
ENDIF
USE
IF FLAGDEL='Y'
  SELECT 6
  DELETE
  PACK
ENDIF
CLOSE DATABASES
RETURN
  
```

(D13)

*PROGRAM NAME: SCHRESINS.PRG Ref: 100
 *AMP/AZRI/DIN (UTN, MALAYSIA 07/25/86)
 *Schedule or reschedule an instrument.

```

*
SET TALK OFF
CLEAR
KEY=' '
?
?
P='DO YOU NEED LIST OF SCHEDULED/UNSCHEDULED INSTRUMENTS ?(Y/N): '
DUMMY='NEED'
W=ROW()
NEED='Y'
OPT=' '
DO WHILE NEED='Y'
  NEED=' '
  DO WHILE .NOT. UPPER(NEED) $ 'YN'
    @W-1,0 CLEAR
    WAIT "&P" TO NEED
  ENDDO
  DO CNF
  IF NEED='Y'
    DO LISSCHINS
    IF OPT='S'
      P='DO YOU NEED LIST OF UNSCHEDULED INSTRUMENTS ALSO ?(Y/N): '
    ENDIF
    IF OPT='U'
      P='DO YOU NEED LIST OF SCHEDULED INSTRUMENTS ALSO ?(Y/N): '
    ENDIF
    IF OPT='N'
      NEED='N'
    ENDIF
    DUMMY='NEED'
  ENDIF
ENDDO
CLEAR
?
? 'KEY            FUNCTION'
? '-----'
? ' S            SCHEDULE QC-PM FOR SET OF INSTRUMENTS'
? ' R            RESCHEDULE QC-PM FOR SET OF INSTRUMENTS'
? ' M            BACK TO MAINMENU'
P='ENTER CORRECT KEY FOR THE REQUIRED FUNCTION: '
DUMMY='ELE'
W=8
ELE=' '
DO WHILE .NOT. (UPPER(ELE) $ 'RSM')
  @W,0
  @W-1,0 SAY ' '
  WAIT "&P" TO ELE
ENDDO
DO CNF
IF ELE='M'
  CLOSE DATABASES
  RETURN
ENDIF
  
```

```

IF ELE='S'
  DO SCHEDULER
ENDIF
IF ELE='R'
  DO RESCHEDULE
  IF KEY = 'R'
    RETURN
  ENDIF
  N=100
  DO WHILE N<>0
    N=N-1
  ENDDO
  CLEAR
  DO SCHEDULER
ENDIF
CLOSE DATABASES
RETURN
  
```

103

102

103

```
*PROGRAM NAME:LISSCHINS.PRG      Ref: 101
*DIR/AZRI/AMP (UTN, MALAYSIA) 07/21/86.
*Shows a list of instruments in the system.
*
SET TALK OFF
CLEAR
? 'KEY          FUNCTION'
? '-----'
? ' S    SCHEDULED INSTRUMENT LIST'
? ' U    UNSCHEDULE INSTRUMENT LIST'
? ' N    NO LIST'
P='ENTER PROPER KEY AS REQUIRED FUNCTION: '
DUMMY='OPT'
?
?
W=ROW()
OPT=' '
DO WHILE .NOT. UPPER(OPT) $ 'SUN'
    @W-1,00 CLEAR
    WAIT "&P" TO OPT
ENDDO
DO CNF
IF OPT = 'S'
    BOOL = 'SCHEDULE'
ENDIF
IF OPT = 'U'
    BOOL = 'NOT.SCHEDULE'
ENDIF
IF OPT = 'N'
    RETURN
ENDIF
USE SCHRAR INDEX TAGSCH
GOTO TOP
IF .NOT. EOF()
    REP = 'Y'
    INST=0
    DO WHILE UPPER(REP)='Y'.AND.(.NOT.EOF())
        CLEAR
        ? '          TAGNO INSTRUMENT NAME          LOCATION          LEVEL2 PERSON'
        ? '          -----'
        N=15
        DO WHILE .NOT. EOF() .AND. N<>0
            IF &BOOL
                INST=INST+1
                ?STR(TAGNO)+' '+INST_NAME+' '+INST_LOC+' '+PM_PER_LV2
                SKIP
                N=N-1
            ELSE
                SKIP
            ENDIF
        ENDDO
    ENDIF
ENDIF
ENDDO
```

Do2

```
IF N=0
    P='NEED MORE LIST ?(Y/N): '
    DUMMY='REP'
    W=ROW()+2
    REP=' '
    DO WHILE .NOT. UPPER(REP) $ 'YN'
        @W,0
        @W-1,0 SAY ' '
        WAIT "&P" TO REP
    ENDDO
    DO CNF
ENDIF
ENDDO
IF OPT='S'.AND. INST=0
    ? 'NO INSTRUMENT HAS BEEN SCHEDULED'
ENDIF
IF OPT='U'.AND. INST =0
    ? 'ALL INSTRUMENTS HAVE BEEN SCHEDULED'
ENDIF
IF (INST<>0).AND.(N<>0)
    W= ROW()+2
ENDIF
ELSE
    ?'NO INSTRUMENTS HAVE BEEN ENTERED YET'
ENDIF
CLOSE DATABASES
RETURN
```

```

*PROGRAM NAME: RESCHEDULE.PRG      Ref: 102
*DIR/AZRI/AMP (UTN, MALAYSIA) 07/24/86.
*Deletes old scheduling so an instrument can be rescheduled.
*
SET TALK OFF
CLEAR
RW=2
CL=2
INST=0
NAME=' '
BOOL=' '
LOC=' '
KEY=' '
MDT=0
BOOL1='SCHEDULE'
LEB1=' RESCHEDULING '
LEB2='RESCHEDULE '
LEB3=' '
LEB4='**'
DO DICHSCHE
IF KEY='R'
    CLOSE DATABASES
    RETURN
ENDIF
CLEAR
? 'SEARCHING INSTRUMENTS FOR RESCHEDULING...WAIT...'
SELECT 1
USE SCHPAR INDEX TAGSCH
GOTO TOP
DO WHILE .NOT.EOF()
    IF &BOOL
        REPLACE SCHEDULE WITH .F.
        NOMOR = TAGNO
        PL2=PM_PER_LV2
        SELECT 2
        USE SCHPMLV3 INDEX TAGPMLV3,PERSONLV3
        SEEK NOMOR
        DELE
        PACK
        USE
        SELECT 2
        USE SCHPMLV2 INDEX TAGPMLV2,PERSON
        SEEK NOMOR
        CNT=NO_OF_LV2
        SELECT 3
        USE PMSTWKMX INDEX PMPERLV2
        FIND &PL2
        SELECT 4
        USE ARRAY INDEX ARRND
        DO WHILE CNT <> 0
            SELECT 4
            SEEK CNT
            SN=LV2S
            SELECT 2
            LV2WK=&SN
            SELECT 4
            SEEK LV2WK
            WKVAR=WK
            SELECT 3
            REPLACE &WKVAR WITH &WKVAR-1
            CNT=CNT-1
        ENDDO
    ENDIF

```

104

D02

D04

D03

D13

D15

```

SELECT 3
USE
SELECT 4
USE
SELECT 2
DELE
PACK
USE
SELECT 1
SKIP
IF RW=22
    CLEAR
    RW=2
ENDIF
INST=INST+1
IF INST=1
    CLEAR
ENDIF
@ RW,CL SAY STR(INST)+' INSTRUMENT'S SCHEDULES ARE DELETED...WAIT...'
RW=RW+1
ELSE
    SKIP
ENDIF
ENDDO
CLEAR
@7,0
? STR(INST)+' INSTRUMENT'S OLD SCHEDULE HAVE BEEN DELETED'
? 'NOW THEY CAN BE RESCHEDULED AS PER YOUR CHOICE OF CONDITION'
? '.....WAIT.....'
CLOSE DATABASES
RETURN

```

```

*PROGRAM NAME: SCHEDULER.PRG      Ref: 103
*AMP/CHUNG 03/07/86.
*Schedules maintenance for an instrument.
*
SET TALK OFF
CLEAR
RW=2
CL=10
INST=0
NAME=
BOOL=
LOC=
KEY=
MDT=0
BOOL1='(.NOT.SCHEDULE)'
LEB1=' SCHEDULING '
LEB2=' SCHEDULE '
LEB3=' NEWLY '
LEB4='
DO DICHSCHE
IF KEY = 'R'
    RETURN
ENDIF
CLEAR
?' SCHEDULER IS SEARCHING INSTRUMENTS AS PER YOUR CHOICE OF CONDITION.....WAIT.....'
SELECT 6
USE SCHPAR INDEX TAGSCH
GOTO TOP
DO WHILE .NOT. EOF()
    IF &BOOL
        SEF=SKI_EXP_FA
        Q=Q_FACTOR
        TEMPN=TAGND
        PERLV2=PM_PER_LV2
        PERLV3=PM_PER_LV3
        INSTNAME=INST_NAME
        PINTER=INT(TAGND/100)
        SELECT 7
        USE PLCYTRX
        GOTO PINTER+1
        TIMEU3=TU_LV3
        TIMEU2=TU_LV2
        IF SEF=3
            TIMEU2=INT(TIMEU2*1.5)
        ENDIF
        IF SEF=1
            TIMEU2=INT(TIMEU2*.75)
        ENDIF
        GOTO (PM_SCH_NO-1)*10+1
        INTV3=TU_LV1
        INTV2=PM_SCH_NO
        USE
        SELECT 8
        USE PMSTWKMX INDEX PMPERLV2
        IF .NOT.EOF()
            FIND &PERLV2
        ENDIF
    
```

104

D02

D14

D13

```

STWK=STRTWEEK
SHIFT=SLIDE
F=48/INTV2
IF Q=1 .AND. F<>2
    F=F-2
ENDIF
IF Q=3 .AND. F<>6
    F=F+2
ENDIF
INTV2=48/F
SELECT 9
USE SCHMLV2 INDEX PERSON,TAGPMLV2
APPEND BLANK
REPLACE TAGND WITH TEMPN
REPLACE NO_DF_LV2 WITH F
REPLACE TOT_TU_LV2 WITH F*TIMEU2
REPLACE TU_LV2 WITH TIMEU2
REPLACE INST_NAME WITH INSTNAME
REPLACE PM_PER_LV2 WITH PERLV2
N=0
DO WHILE F<>0
    SCH=STWK+SHIFT+N*INTV2
    IF SCH>104
        SCH=SCH-104
    ELSE
        IF SCH>52
            SCH=SCH-52
        ENDIF
    ENDIF
    SELECT 5
    USE ARRAY INDEX ARRND
    SEEK SCH
    WKVAR = WK
    ? SCH
    SELECT 8
    MAX = MAX_INS_WK
    ADJ='N'
    CNT=0
    DO WHILE (ADJ='N').AND.(CNT<>8)
        IF MAX > &WKVAR
            REPLACE &WKVAR WITH &WKVAR +1
            ADJ='Y'
        ELSE
            CNT=CNT+1
            SELECT 5
            IF .NOT. EOF()
                SKIP
            ELSE
                GO TOP
            ENDIF
            SCH=NO
            WKVAR=WK
        ENDIF
        SELECT 8
    ENDDO

```

D03

D15

```

IF CNT=8
  SCH=SCH-8
  SELECT 5
  SEEK SCH
  WKVAR=WK
  SELECT 8
  REPLACE &WKVAR WITH &WKVAR+1
  ? 'CHANGE MAXIMUM NO OF INSTRUMENTS/WEEK FOR '+PM_PER_LV2
ENDIF
SELECT 9
N=N+1
F=F-1
DO CASE
  CASE N=1
    REPLACE LV2_1 WITH SCH
  CASE N=2
    REPLACE LV2_2 WITH SCH
  CASE N=3
    REPLACE LV2_3 WITH SCH
  CASE N=4
    REPLACE LV2_4 WITH SCH
  CASE N=5
    REPLACE LV2_5 WITH SCH
  CASE N=6
    REPLACE LV2_6 WITH SCH
ENDCASE
ENDDO
USE
N=0
F=48/INTV3
SELECT 10
USE SCHPMLV3 INDEX PERSONLV3,TAGPMLV3
APPEND BLANK
REPLACE TAGNO WITH TEMPN
REPLACE NO_OF_LV3 WITH F
REPLACE TU_LV3 WITH TIMEU3
REPLACE TOT_TU_LV3 WITH TIMEU3*F
REPLACE INST_NAME WITH INSTNAME
REPLACE PM_PER_LV3 WITH PERLV3
DO WHILE F<>0
  SCH=STWK+SHIFT+N*INTV3
  IF SCH>104
    SCH=SCH-104
  ELSE
    IF SCH>52
      SCH=SCH-52
    ENDIF
  ENDIF
  N=N+1
  F=F-1
DO CASE
  CASE N=1
    REPLACE LV3_1 WITH SCH
  CASE N=2
    REPLACE LV3_2 WITH SCH
  CASE N=3
    REPLACE LV3_3 WITH SCH
  CASE N=4
    REPLACE LV3_4 WITH SCH
ENDCASE
ENDDO
USE

```

D04

```

IF (.NOT.(KEY $'3578')).AND.(INST<>0)
  SELECT 8
  SHIFT=SHIFT+1
  IF SHIFT=53
    SHIFT=0
  ENDIF
  REPLACE SLIDE WITH SHIFT
ENDIF
SELECT 6
REPLACE SCHEDULE WITH .Y.
SKIP
IF RW=23
  CLEAR
  RW=3
ENDIF
INST=INST+1
IF INST=1
  CLEAR
  @RW,CL SAY STR(INST)+' INSTRUMENT IS SCHEDULED.....WAIT.....'
ELSE
  @RW,CL SAY STR(INST)+' INSTRUMENTS ARE SCHEDULED.....WAIT.....'
ENDIF
RW=RW+1
ELSE
  SKIP
ENDIF
ENDDO
IF (KEY $'3578').AND.(.NOT.EDF())
  SELECT 8
  SHIFT=SHIFT+1
  IF SHIFT=53
    SHIFT=0
  ENDIF
  REPLACE SLIDE WITH SHIFT
ENDIF
IF INST=0
  ? 'ALL INSTRUMENTS OF YOUR CHOICE ARE ALREADY SCHEDULED'
  N=100
  DO WHILE N<>0
    N=N-1
  ENDDO
ENDIF
CLOSE DATABASES
RETURN

```

105

RETURN

(D14)


```

*PROGRAM NAME: DILDSCH.PRG      Ref: 106
**KAERI,KOREA,03/07/86, AMD/CHUNG
*Displays locations so one can choose which location to schedule.
*
SET TALK OFF
CLEAR
USE UNLOCAT INDEX LOCATION
IF .NOT.EOF()
R=3
C=0
@1,8 SAY 'NO LOCATION NAME'
@2,8 SAY '---'
NO=1
GOTO TOP
DO WHILE .NOT.EOF()
NOS=STR(NO)
@R,C SAY NOS + ' ' + INST_LOC
R=R+1
NO=NO+1
IF NO=21
R=3
C=26
@1,34 SAY 'NO LOCATION NAME'
@2,34 SAY '---'
ENDIF
IF NO=41
R=3
C=51
@1,59 SAY 'NO LOCATION NAME'
@2,59 SAY '---'
ENDIF
SKIP
ENDDO
NB=0
DO WHILE (.NOT.(NB<=NO-1)).OR.(NB=0)
@23,0
@22,0 SAY ' '
INPUT 'ENTER THE CORRECT NO AS REQUIRED LOCATION FOR '+'&LEB1'TO NB
ENDDO
GOTO TOP
NB=NB-1
DO WHILE NB<>0
SKIP
NB=NB-1
ENDDO
LOC=INST_LOC
USE
ELSE
?'NO LOCATION HAS BEEN RECORDED YET.'
USE
N=100
DO WHILE N<>0
N=N-1
ENDDO
RETURN

```

D09

```

*PROGRAM NAME: DIPMPESCHE.PRG   Ref: 107
**KAERI,KOREA,03/07/86  AMP/CHUN
*Do you want to change max number of instruments per week for maintenance personnel ?
*
SET TALK OFF
CLEAR
MORE=' '
IF KEY $ '1235'
REP='Y'
DO WHILE REP='Y'
P='WANT TO CHANGE MAXIMUM NO OF INSTRUMENTS/WEEK FOR '+'&MORE"+'PMPERSONS ?(Y/N)
DUMMY='REP'
W=23
REP=' '
DO WHILE .NOT. UPPER(REP) $ 'YN'
@W,0
@W-1,0 SAY ' '
WAIT "&P" TO REP
ENDDO
DO CNF
IF UPPER(REP)='Y'
DO SHOWPMPE
MORE=' MORE '
ENDIF
ENDDO
ELSE
DO SHOWPMPE
ENDIF
RETURN

```

108

108

```

*PROGRAM NAME: SHDWPMP.E.PRG      Ref: 108
*KAERI,KOREA,03/07/86  AMP/CHUN
*Lists mtece personnel, allows change to max instr/week for each.
*
SET TALK OFF
CLEAR
USE PMSTWKM INDEX PMPERLV2
IF .NOT. EOF()
R=3
C=0
@1,8 SAY 'NO MAINTENANCE PERSON NAME'          INST/WEK'
@2,8 SAY '---'
NO=1
GOTO TOP
DO WHILE (.NOT.EOF()).AND.(R<>23)
MAX=STR(MAX_INS_WK)
NOS=STR(NO)
@R,C SAY NOS + ' ' + PM_PER_LV2 + ' ' + MAX
R=R+1
NO=NO+1
SKIP
MOR=' '
IF R=23
P='DO YOU NEED MORE NAMES? (Y/N): '
W=23
DUMMY='MOR'
DO WHILE .NOT.(UPPER(MOR) $ 'YN')
@W,0
@W-1,0 SAY ' '
WAIT "&P" TO MOR
ENDDO
DO CNF
ENDIF
IF MOR='Y'
R=3
@3,0 CLEAR
ENDIF
IF MOR='N'
R=23
ENDIF
ENDDO
NB=0
DO WHILE (.NOT.(NB<=NO-1)).OR.(NB=0)
@23,0
@22,0 SAY ' '
IF KEY $ '1235'
INPUT 'ENTER CORRECT NO WHOSE MAXIMUM NUMBER OF INSTRUMENTS/WEEK CAN BE CHANGED: ' TO NB
ELSE
INPUT 'ENTER THE CORRECT NO FOR NAME FOR WHOM '+&LEB1+' IS REQUIRED: ' TO NB
ENDIF
ENDDO

```

(D13)

```

GOTO TOP
NB=NB-1
DO WHILE NB<>0
SKIP
NB=NB-1
ENDDO
NAME=PM_PER_LV2
CLEAR
?'YOU CAN CHANGE MAXIMUM NUMBER OF INSTRUMENTS PER WEEK FOR '+NAME
@15,0 SAY 'MAXIMUM NUMBER OF INSTRUMENTS FOR '+NAME GET MAX_INS_WK
READ
USE
ELSE
USE
?'NO PERSON'S NAME IS ENTERED FOR PREVENTIVE MAINTENANCE"
N=100
DO WHILE N<>0
N=N-1
ENDDO
ENDIF
RETURN

```

```

*PROGRAM NAME: EDEL.PRG          Ref: 200
*CHANDIMA 17/12/85
*Edit, delete, or search for information.
*
SET TALK OFF
CLEAR
REPEAT='Y'
DO WHILE UPPER(REPEAT)='Y'
CLEAR
SET TALK OFF
R=3
C=4
@R,C SAY ' NO FUNCTION TYPE '
@R+1,C SAY '-----'
@R+4,C SAY ' E   EDIT INSTRUMENT INFORMATION '
@R+6,C SAY ' D   DELETE INSTRUMENT RECORD '
@R+8,C SAY ' L   LOOK FOR INSTRUMENT INFORMATION '
@R+10,C SAY ' R   RETURN TO THE MAINMENU '
W=R+13
P=' ENTER LETTER AS REQUIRED FUNCTION TYPE: '
DUMMY='FUNCTION'
FUNCTION=' '
DO WHILE .NOT.(UPPER(FUNCTION) $ 'EDLR')
@W,C
@W-1,C SAY ' '
WAIT "&P" TO FUNCTION
ENDDO
DO CNF
DO CASE
CASE FUNCTION='E'
DO EDINSTINFR
CASE FUNCTION='D'
DO DELINST
CASE FUNCTION='L'
DO LOOKINFR
CASE FUNCTION='R'
RETURN
ENDCASE FUNCTION
P=' WOULD YOU LIKE TO EDIT,DELETE OR LOOK MORE INSTRUMENT INFORMATION?(Y/N): '
W=23
DUMMY='REPEAT'
REPEAT=' '
DO WHILE .NOT.(UPPER(REPEAT) $ 'YN')
@W,0
@W-1,0 SAY ' '
WAIT "&P" TO REPEAT
ENDDO
DO CNF
ENDDO
RETURN

```

202

203

204

```

*PROGRAM NAME: SEARCH.PRG      Ref:201
*CHANDIMA 17/12/85
*Search for instruments or Tag Numbers.
*
SET TALK OFF
CLEAR
R=3
C=3
PUBLIC FOUND
P='DO YOU KNOW THE TAG NUMBER OF THE INSTRUMENT?(Y/N): '
DUMMY='CHOICE'
W=4
CHOICE=' '
DO WHILE .NOT.(UPPER(CHOICE) $ 'YN')
@W,C
@W-1,C SAY ' '
WAIT "&P" TO CHOICE
ENDDO
DO CNF
SELECT 5
USE SCHPAR INDEX TAGSCH ALIAS LOOKUP
SELECT 6
USE INSTINFR INDEX TAGINST
SET RELATION TO TAGNO INTO LOOKUP
IF UPPER(CHOICE)='N'
GOTO TOP
REP='Y'
DO WHILE (UPPER(REP))='Y'.AND.(.NOT.EOF())
CLEAR
DISP OFF NEXT 15 TAGNO,INST_NAME
REP=' '
P='DO YOU NEED MORE INSTRUMENT TAG NUMBERS?(Y/N): '
W=18
DUMMY='REP'
DO WHILE .NOT.(UPPER(REP)) $ 'YN'
@W,0
@W-1,0 SAY ' '
WAIT "&P" TO REP
ENDDO
DO CNF
IF .NOT. EOF()
SKIP
ENDIF
ENDDO
ELSE
ENDIF

```

D02

D01

```

PUBLIC TEMPNO
INPUT 'ENTER YOUR TAG NO:' TO TEMPNO
IF TEMPNO<>0000
GOTO TOP
NFND=.Y.
DO WHILE NFND
  IF TEMPNO=TAGNO
    NFND=.N.
    FOUND='Y'
  ELSE
    IF .NOT. EOF()
      SKIP
    ELSE
      B=STR(TEMPNO)
      @12,8 SAY '&B'
      NFND=.N.
      CLEAR
      FOUND='N'
      @13,8 SAY 'TAG NO. OF YOUR INSTRUMENT IS NOT IN THE LIST'
    ENDIF
  ENDIF
ENDDO
ELSE
  FOUND='N'
  CLEAR
  @13,8 SAY 'ILLEGAL TAG NUMBER'
ENDIF
RETURN

```

*PROGRAM NAME: EDINSTINFR.PRG Ref: 202
 *MORSHED U. CHOWDHURY /AMP/AZRI/DIN/07/23/86 (UTN/MALAYSIA)
 *Edit information about an instrument. Same questionnaire as CALTAG (013).

```

*
DO SEARCH
IF FOUND='Y'
  IF .NOT. EOF()
    INF = ' '
    DO WHILE .NOT. UPPER(INF)='Y'
      CLEAR
      INF=' '
      R=1
      C=3
      ?
      INSTRUMENT NAME: '+INST_NAME + 'TAG NUMBER: '+STR(TAGNO)
      @R+2,C SAY 'MODEL NUMBER' GET MODEL_NO
      @R+3,C SAY 'SERIAL NUMBER' GET SERIAL_NO
      @R+4,C SAY 'INVENTORY NUMBER' GET INVT_NO
      @R+5,C SAY 'YEAR OF MANUFACTURE' GET YR_MNFRC
      @R+6,C SAY 'NAME OF MANUFACTURER' GET MNFRC_NAME
      @R+7,C SAY 'ADDRESS OF MANUFACTURER' GET ADDR_MNFRC
      @R+8,C SAY 'TELEX NUMBER OF MANUFACTURER' GET TLEX_MNFRC
      @R+9,C SAY 'PHONE NO. OF MANUFACTURER' GET MNFRC_PHON
      @R+10,C SAY 'NAME OF THE SUPPLIER' GET SUPLR_NAME
      @R+11,C SAY 'ADDRESS OF SUPPLIER' GET ADDR_SUPLR
      @R+12,C SAY 'PHONE NO. OF SUPPLIER' GET SUPLR_PHON
      @R+13,C SAY 'PRICE IN FOREIGN CURRENCY' GET PRICE_FC
      @R+14,C SAY 'PRICE IN LOCAL CURRENCY' GET PRICE_LOC
      @R+15,C SAY 'DATE OF ARRIVAL(MM/DD/YY)' GET DT_ARRVL
      @R+16,C SAY 'DATE OF COMMISSIONING(MM/DD/YY)' GET DT_COMMIS
      @R+17,C SAY 'END OF WARRENTY(MM/DD/YY)' GET END_WARNTY
      @R+18,C SAY 'REPAIR CONTRACT' GET RPIR_CONTR
      @R+19,C SAY 'PERSON ACCOMPANYING FOR PM' GET PARTNER
      @R+20,C SAY 'MAIN USER OF THE INSTRUMENT' GET MAIN_USER
    READ
  CLEAR

```

```

QR+1,C SAY ' MAIN OPERATOR OF THE INSTRUMENT' GET MAIN_OTPR
QR+2,C SAY ' PHONE NO. OF THE USER' GET USER_PHON
QR+3,C SAY ' IS OPERATING MANUAL AVAILABLE?(Y/N)' GET OPRT_MANL
QR+4,C SAY ' IS SERVICE MANUAL AVAILABLE ? (Y/N)' GET SRVC_MANL
QR+5,C SAY ' IS CIRCUIT DIAGRAM AVAILABLE ?(Y/N)' GET CKT_DIAG
QR+6,C SAY ' LOCATION OF THE MANUAL' GET MANL_LOC
QR+7,C SAY ' IS PARTS LIST AVAILABLE ? (Y/N)' GET PARTS_LIST
QR+8,C SAY ' ACCESSORIES LIST' GET ACCRS
QR+9,C SAY ' POWER CONSUMPTION WATT/ VOLT-AMP' GET WATT_VA
QR+10,C SAY ' RANGE OF OPERATING VOLTAGE' GET OPRT_VOLT
QR+11,C SAY ' RANGE OF RELATIVE HUMIDITY' GET RH
QR+12,C SAY ' RANGE OF OPERATING TEMPERATURE' GET TEMP
QR+13,C SAY ' TYPE OF STABILIZER USED' GET STBLR_USED
QR+14,C SAY ' TYPE & CAPACITY OF DROP OUT RELAY' GET DOR_CAP
QR+15,C SAY ' NAME OF PREVENTIVE MAINTENANCE HEAD' GET PM_HEAD
QR+16,C SAY ' PHONE NO. OF PM HEAD' GET PMHEADPHON
QR+17,C SAY ' LIST OF SPECIAL TEST EQUIPMENT' GET SP_TST_EQP
QR+18,C SAY ' SPARES AVAILABLE ? (Y/N)' GET SPARE_AVIL
QR+19,C SAY ' LIST OF ASSOCIATED EQUIPMENTS' GET PERIPHERAL
QR+20,C SAY ' REFERENCE FOR PM PROCEDURE' GET PM_REF
READ
P=' IS THE ENTERED INFORMATION OK ?(Y/N): '
W=R+22
DUMMY='INF'
DO WHILE .NOT.(UPPER(INF) $ 'YN')
  @W,C CLEAR
  @W-1,C SAY '
  WAIT "&P" TO INF
ENDDO
DO CNF
ENDDO
ENDIF
CLOSE DATABASES
RETURN

```

```

*PROGRAM NAME :DELINST.PRG      Ref: 203
*AMP, AZARI, JAYANTI, KAMARUDDIN, 08/13/86
*Deletes an instrument. Automatically rechedules the others.

```

```

*
SET TALK OFF
CLEAR
DO SEARCH
IF FOUND='Y'
  CLEAR
  P='DO YOU REALLY WANT TO DELETE INSTRUMENT RECORD? (Y/N): '
  W=13
  DUMMY='CONFIRM'
  CONFIRM=' '
  DO WHILE .NOT.(UPPER(CONFIRM) $ 'YN')
    @W-1,0 CLEAR
    WAIT "&P" TO CONFIRM
  ENDDO
  DO CNF
  IF UPPER(CONFIRM) = 'Y'
    P=' ARE YOU SURE? (Y/N): '
    W=16
    DUMMY='SURE'
    SURE=' '
    DO WHILE .NOT.UPPER(SURE) $ 'YN'
      @W-1,0 CLEAR
      WAIT "&P" TO SURE
    ENDDO
    DO CNF
    ?
    WAIT PLEASE'
    IF SURE='N'
      ?
      THAT IS GOOD. NO RECORDS HAVE BEEN DELETED.'
    ENDIF
    IF UPPER(SURE)='Y'
      TEMLOC=INST_LOC
      DELE
      PACK
      CLEAR
      USE
      SELECT 4
      USE UNLOCAT INDEX LOCATION
      FIND &TEMLOC
      REPLACE NO_OF_INST WITH NO_OF_INST-1
      IF NO_OF_INST=0
        DELE
        PACK
      ENDIF
      USE
      SELECT 5
      GOTO TOP
      NFND=.Y.
      DO WHILE NFND
        IF TEMPNO=TAGNO
          NFND=.N.
        ELSE
          SKIP
        ENDIF
      ENDDO
      CLEAR

```

MPND)

? 'RECORD FROM INSTRUMENT INFORMATION FILE IS DELETED FOR TAG NUMBER '+STR

? 'WAIT TILL THE NEXT MESSAGE'

IF SCHEDULE

SELECT 8

USE SCHPMLV2

SET INDEX TO TAGPMLV2,PERSON

GOTO TOP

NFND=.Y.

DO WHILE NFND

IF TEMPNO=TAGNO

NFND=.N.

ELSE

SKIP

ENDIF

ENDDO

NAME = PM_PER_LV2

CNT = NO_OF_LV2

SELECT 4

USE PMSTWKMY INDEX PMPERLV2

FIND '&NAME'

DO WHILE CNT <> 0

SELECT 9

USE ARRAY INDEX ARRNO

SEEK CNT

SN=LV2S

SELECT 8

LV2WK=&SN

SELECT 9

SEEK LV2WK

WKVAR=WK

SELECT 4

REPLACE &WKVAR WITH &WKVAR-1

CNT = CNT-1

ENDDO

IF CNT = 0

SELECT 4

USE

SELECT 9

USE

SELECT 8

ENDIF

DELE

PACK

USE

SELECT 8

USE SCHPMLV3

SET INDEX TO TAGPMLV3,PERSONLV3

GOTO TOP

NFND=.Y.

DO WHILE NFND

IF TEMPNO=TAGNO

NFND=.N.

ELSE

SKIP

ENDIF

ENDDO

DELE

PACK

USE

(D03)

(D13)

(D15)

(D04)

TR(TEMPNO)

? 'SCHEDULES FOR LEVEL 2&3 ARE DELETED FOR INSTRUMENT WITH TAG NUMBER

ENDIF

SELECT 5

DELE

PACK

USE

SELECT 9

USE INSTDEL INDEX DELTAG

GOTO BOTTOM

APPEND BLANK

REPLACE TAGNO WITH TEMPNO

USE

SELECT 10

USE PLCYMTRX

GOTO INT(TEMPNO/100)+1

NOINST=NOINSTDEL+1

REPLACE NOINSTDEL WITH NOINST

USE

SELECT 3

USE QSTLV2 INDEX TAGQST

SEEK TEMPNO

IF .NOT. EOF()

DELE

PACK

USE

SELECT 2

USE EXELV2 INDEX TAGEXE

SEEK TEMPNO

DO WHILE TEMPNO=TAGNO

DELE

SKIP

ENDDO

PACK

? 'QUESTIONS AND EXECUTED PM RESULTS ARE DELETED FOR INSTRUMENT WITH

NUMBER ' + STR(TEMPNO)

ENDIF

USE

SELECT 1

USE HIS_REP INDEX TAGHIS

SEEK TEMPNO

IF .NOT. EOF()

DO WHILE TEMPNO=TAGNO

DELE

SKIP

ENDDO

PACK

? 'REPAIR HISTORY FOR INSTRUMENT WITH TAG NUMBER ' + STR(TEMPNO)

ENDIF

USE

ENDIF

ENDIF

ELSE

CLEAR

@14,8 SAY 'NO INSTRUMENT RECORD HAS BEEN DELETED'

ENDIF

CLOSE DATABASES

RETURN

(D05)

(D14)

(D10)

(D11)

(D12)

```

*PROGRAM NAME: LOOKINFR.PRG      Ref: 204
*THAILAND MR. VICHIE, AMP, 20/06/86
*Displays the information entered via CALTAG (013).
*
DO SEARCH
IF FOUND='Y'
TG=STR(TEMPNO)
MNFRC=STR(YR_MNFRC)
PRICELC=STR(PRICE_LOC)
ARRVL=DTDC(DT_ARRVL)
COMMIS=DTDC(DT_COMMIS)
WARNTY=DTDC(END_WARNTY)
CLEAR
R=1
C=3
@R-1,C SAY ' '
? '          TAG NUMBER: '+&TG'
? '          NAME OF THE INSTRUMENT: '+INST_NAME
? '          MODEL NUMBER: '+MODEL_NO
? '          SERIAL NUMBER: '+SERIAL_NO
? '          INVENTORY NUMBER: '+INVT_NO
? '          YEAR OF MANUFACTURE: '+&MNFRC'
? '          NAME OF MANUFACTURER: '+MNFRC_NAME
? '          ADDRESS OF MANUFACTURER: '+ADDR_MNFRC
? '          TELEX NUMBER OF MANUFACTURER: '+TLEX_MNFRC
? '          PHONE NO. OF MANUFACTURER: '+MNFRC_PHON
? '          NAME OF THE SUPPLIER: '+SUPLR_NAME
? '          ADDRESS OF SUPPLIER: '+ADDR_SUPLR
? '          PHONE NO. OF SUPPLIER: '+SUPLR_PHON
? '          PRICE IN FOREIGN CURRENCY: '+PRICE_FC
? '          PRICE IN LOCAL CURRENCY: '+&PRICELC'
? '          DATE OF ARRIVAL: '+&ARRVL'
? '          DATE OF COMMISSIONING: '+&COMMIS'
? '          END OF WARRENTY: '+&WARNTY'
? '          REPAIR CONTRACT: '+RPIR_CONTR
? '          LOCATION OF THE INSTRUMENT: '+INST_LOC
? '          MAIN USER OF THE INSTRUMENT: '+MAIN_USER
P='DO YOU WANT MORE INFORMATION?(Y/N): '
DUMMY='MORE'
W=R+22
MORE=' '
DO WHILE .NOT. UPPER(MORE) $ 'YN'
  @W,C CLEAR
  @W-1,C SAY ' '
  WAIT "&P" TO MORE
ENDDO
DO CNF
IF MORE='Y'
  IF OPRT_MANL
    MANL='YES'
  ELSE
    MANL='NO'
  ENDF
  IF CKT_DIAG
    CKT='YES'
  ELSE
    CKT='NO'
  ENDF
  IF SRVC_MANL
    SRVC='YES'
  ELSE
    SRVC='NO'
  ENDF

```

```

IF PARTS_LIST
  PARTS='YES'
ELSE
  PARTS='NO'
ENDIF
IF SPARE_AVIL
  SPARE='YES'
ELSE
  SPARE='NO'
ENDIF
CAL=STR(CAL_VALU)
REAL=STR(REAL_VALU)
TOTRPCST=STR(TOT_RP_CST)
TOTDNTH=STR(TOT_DN_TM)
CVAL=STR(CVAL_UP_YR)
TOTLOS=STR(TOT_LO_VAL)
CVAL=TRIM(CVAL)
CLEAR
@R-1,C SAY ' '
? '          MAIN OPERATOR OF THE INSTRUMENT: '+MAIN_OPTR
? '          PHONE NO. OF THE USER: '+USER_PHON
? '          IS OPERATING MANUAL AVAILABLE?: '+&MANL'
? '          IS SERVICE MANUAL AVAILABLE?: '+&SRVC'
? '          IS CIRCUIT DIAGRAM AVAILABLE?: '+&CKT'
? '          LOCATION OF THE MANUAL: '+MANL_LOC
? '          IS PARTS LIST AVAILABLE?: '+&PARTS'
? '          ACCESSORIES LIST: '+ACCRS
? '          POWER CONSUMPTION WATT/ VOLT-AMP: '+WATT_VA
? '          RANGE OF OPERATING VOLTAGE: '+OPRT_VOLT
? '          RANGE OF RELATIVE HUMIDITY: '+RH
? '          RANGE OF OPERATING TEMPERATURE: '+TEMP
? '          TYPE OF STABILIZER USED: '+STBLR_USED
? '          TYPE & CAPACITY OF DROP OUT RELAY: '+DOR_CAP
? '          NAME OF PREVENTIVE MAINTENANCE HEAD: '+PM_HEAD
? '          PHONE NO. OF PM HEAD: '+PMHEADPHON
? '          LIST OF SPECIAL TEST EQUIPMNET: '+SP_TST_EQP
? '          SPARES AVAILABLE?: '+&SPARE'
? '          LIST OF ASSOCIATED EQUIPMENTS: '+PERIPHERAL
? '          REFERENCE FOR PM PROCEDURE: '+PM_REF
P='DO YOU WANT MORE INFORMATION?(Y/N): '
DUMMY='MORE'
W=R+22
MORE=' '
DO WHILE .NOT. UPPER(MORE) $ 'YN'
  @W,C CLEAR
  @W-1,C SAY ' '
  WAIT "&P" TO MORE
ENDDO
DO CNF
IF MORE='Y'
  CLEAR
  ? '          PERSON PERFORMING LEVEL-2 JOBS: '+PM_PER_LV2
  ? '          PERSON PERFORMING LEVEL-3 JOBS: '+PM_PER_LV3
  ? '          PERSON ACCOMPANYING FOR PM: '+PARTNER
  ? '          CURRENT VALUE OF THE INSTRUMENT: '+&CAL+';'+&CVAL'
  ? '          TOTAL LOST VALUE OF THE INSTRUMENT: '+&TOTLOS'
  ? '          TOTAL REPAIR COST: '+&TOTRPCST'
  ? '          TOTAL DOWN TIME (DAYS): '+&TOTDNTH'
  ENDF
ENDIF
ENDIF
CLOSE DATABASES
RETURN

```

```

*PROGRAM NAME: EDSCHPAR.PRG      Ref: 300
*AMP/AZRI/DIN 07/22/86 (UTN, MALAYSIA)
*Edit parameters for scheduling (person, experience, location, etc.).
*
SET TALK OFF
CLEAR
R=3
C=2
TAG=0
DO WHILE TAG<=100.OR. TAG>9999
    @ R+1,C
    @ R,C SAY ' '
    INPUT 'ENTER TAG NUMBER FOR WHICH PARAMATERS FOR SCHEDULING ARE TO BE EDITED: ' TO TAG
ENDDO
SELECT 1
USE SCHPAR INDEX TAGSCH,PMLV2SCH
SEEK TAG
IF EOF()
    ? 'THIS TAG NUMBER IS NOT IN THE SYSTEM'
ELSE
    OLDLOC=INST_LOC
    OLDPL2=PM_PER_LV2
    OLDPL3=PM_PER_LV3
    OK='N'
    DO WHILE OK='N'
        CLEAR
        ?
        TAG NUMBER: ' + STR(TAG)
        NAME OF THE INSTRUMENT: ' +INST_NAME
        LOCATION OF THE INSTRUMENT: ' GET INST_LOC
        NAME OF THE PERSON DOING LEVEL2 PM: 'GET PM_PER_LV2
        NAME OF THE PERSON DOING LEVEL3 PM: 'GET PM_PER_LV3
        QUALITY FACTOR: ' GET Q_FACTOR
        SKILL & EXPERINCE OF LEVEL 2 PERSON: 'GET SKI_EXP_FA
        @ R+1,C SAY '
        @ R+2,C SAY '
        @ R+3,C SAY '
        @ R+4,C SAY '
        @ R+5,C SAY ' (QUALITY FACTOR:1=GOOD, 2=NORMAL, 3=BAD)'
        @ R+6,C SAY ' (SKILL & EXP FACTOR:1=GOOD,2=NORMAL,3=JUNIOR)'
        READ
        P='
        DUMMY='OK'
        W=R+10
        OK=' '
        DO WHILE .NOT. (UPPER(OK) $ 'YN')
            @ W,C
            @ W-1,C SAY ' '
            WAIT "&P" TO OK
        ENDDO
        DO CNF
        IF (PM_PER_LV2=SPACE(25)).OR. (INST_LOC=SPACE(15)).OR. (PM_PER_LV3=SPACE(25))
            OK='N'
        ENDIF
    ENDDO

```

(D02)

```

IF .NOT. (OLDLOC=INST_LOC)
    NEWLOC=INST_LOC
    SELECT 2
    USE INSTINFR INDEX TAGINST
    SEEK TAG
    REPLACE INST_LOC WITH NEWLOC
    USE
    USE UNLOCAT INDEX LOCATION
    FIND &OLDLOC
    REPLACE NO_OF_INST WITH NO_OF_INST - 1
    IF NO_OF_INST=0
        DELETE
        PACK
    ENDIF
    FIND &NEWLOC
    IF EOF()
        APPEND BLANK
    ENDIF
    REPLACE NO_OF_INST WITH NO_OF_INST+1
    REPLACE INST_LOC WITH NEWLOC
    USE
ENDIF
SELECT 1
SEEK TAG
NEWPL2=PM_PER_LV2
NEWPL3=PM_PER_LV3
IF SCHEDULE
    IF (OLDPL2=PM_PER_LV2)
        IF .NOT. (OLDPL3=PM_PER_LV3)
            NEWPL3=PM_PER_LV3
            SELECT 2
            USE SCHPMLV3 INDEX TAGPMLV3,PERSONLV3
            SEEK TAG
            REPLACE PM_PER_LV3 WITH NEWPL3
            USE
            USE INSTINFR INDEX TAGINST
            SEEK TAG
            REPLACE PM_PER_LV3 WITH NEWPL3
            USE
        ENDIF
    ELSE
        NEWPL2=PM_PER_LV2
        NEWPL3=PM_PER_LV3
        SELECT 2
        USE SCHPMLV3 INDEX TAGPMLV3,PERSONLV3
        SEEK TAG
        DELETE
        PACK
        USE
        SELECT 2
        USE INSTINFR INDEX TAGINST
        SEEK TAG
        REPLACE PM_PER_LV2 WITH NEWPL2
        REPLACE PM_PER_LV3 WITH NEWPL3
        USE
        SELECT 2
        USE SCHPMLV2 INDEX TAGPMLV2,PERSON
        SEEK TAG
        CNT = NO_OF_LV2

```

(D01)

(D09)

(D04)

(D01)

(D04)

(D01)

(D03)


```

SELECT 3
USE PMSTWKMX INDEX PMPERLV2
FIND &OLDPL2
SELECT 4
USE ARRAY INDEX ARRNO
DO WHILE CNT<>0
    SELECT 4
    SEEK CNT
    SN=LV2S
    SELECT 2
    LV2WK=&SN
    SELECT 4
    SEEK LV2WK
    WKVAR=WK
    SELECT 3
    REPLACE &WKVAR WITH &WKVAR-1
    CNT = CNT-1
ENDDO
USE
SELECT 2
DELE
PACK
USE
SELE 1
REPLACE SCHEDULE WITH .F.
?'YOU WILL HAVE TO SCHEDULE INSTRUMENT FOR '+'&NEWPL2"
ENDIF
ELSE
    IF (OLDPL2=PM_PER_LV2)
        IF .NOT. (OLDPL3=PM_PER_LV3)
            NEWPL3=PM_PER_LV3
            SELECT 2
            USE INSTNFR INDEX TAGINST
            SEEK TAG
            REPLACE PM_PER_LV3 WITH NEWPL3
        ENDIF
    ELSE
        SELECT 2
        USE INSTNFR INDEX TAGINST
        SEEK TAG
        REPLACE PM_PER_LV2 WITH NEWPL2
        REPLACE PM_PER_LV2 WITH NEWPL3
    ENDIF
ENDIF
GOTO TOP
IF .NOT. EOF()
    FIND &NEWPL2
ENDIF
IF EOF()
    APPEN BLANK
    REPLACE PM_PER_LV2 WITH NEWPL2
    NEWPL2=TRIM(NEWPL2)
    INPUT 'START WEEK NUMBER FOR ' + "&NEWPL2"+ ' (1 TO 52 ): ' TO START
    REPLACE STRTWEEK WITH START
    REPLACE SLIDE WITH 0
    REPLACE MAX_INS_WK WITH 5
ENDIF
ENDIF
CLOSE DATABASES
RETURN

```

```

*PROGRAM NAME: ENEDQFQ.PRG                                Ref: 400
*AMP/AZRI/DIN 07/30/86 (UTN, MALAYSIA)
*Accepts questions for questionnaire form.
*
SET TALK OFF
MORE='Y'
DO WHILE MORE = 'Y'
  CLEAR
  MORE=' '
  USE SCHPAR INDEX TAGSCH
  GO TOP
  IF EOF()
    ?
    ?
    ? 'NO INSTRUMENT'
    ?
    ?
    ? 'PRESS ANY KE'
    USE
  ELSE
    INPUT 'ENTER THE TAG NUMBER FOR WHICH'
    SEEK NOMOR
    IF EOF()
      OK='Y'
      DEF=' '
      ?
      ?
      ? 'NO INSTRUMENT W'
      ?
      ?
    ELSE
      USE
      USE QSTLV2 INDEX TAGQST
      GO TOP
      SEEK NOMOR
      IF EOF()
        ?
        ?
        ? 'QUESTIONS FOR THIS INSTRUMENT'
        ?
        ?
        P='DO YOU LIKE TO ENTER QUESTIONS'
        DUMMY='FIRST'
        W=ROW()
        FIRST=' '
        DO WHILE .NOT. UPPER(FIRST) = 'Y'
          @W-1,0 CLEAR
          WAIT "Y" TO FIRST
        ENDDO
        DO CNF
        IF FIRST='Y'
          DEF='N'
          OK='N'
          APPEND BLANK
          REPLACE TAGNO WITH NOMOR
        ELSE
          OK='Y'
          DEF=' '
        ENDIF
      ELSE
        DEF='Y'
        OK='N'
      ENDIF
    ENDIF
  ENDIF
  MORE='Y'
ENDWHILE

```

```

R=2
C=2
DO WHILE OK='N'
  OK=
  CLEAR
  ?'          QUESTIONS FOR INSTRUMENT WITH TAG NUMBER: '+STR(TAGNO)
  ?'
  @R+1,C SAY 'Q1. ANSWER IN ALPHANUMERIC' GET Q1LV2
  @R+2,C SAY 'Q2. ANSWER IN ALPHANUMERIC' GET Q2LV2
  @R+3,C SAY 'Q3. ANSWER IN ALPHANUMERIC' GET Q3LV2
  @R+4,C SAY 'Q4. ANSWER IN LOGICAL' GET Q4LV2
  @R+5,C SAY 'Q5. ANSWER IN LOGICAL' GET Q5LV2
  @R+6,C SAY 'Q6. ANSWER IN LOGICAL' GET Q6LV2
  @R+8,C+25 SAY 'ENTER DC VOLTAGES TO BE MEASURED'
  @R+9,C+35 SAY '1: 'GET DC1
  @R+10,C+35 SAY '2: 'GET DC2
  @R+11,C+35 SAY '3: 'GET DC3
  @R+12,C+35 SAY '4: 'GET DC4
  @R+13,C+35 SAY '5: 'GET DC5
  READ
  P='          ARE THE QUESTIONS OK?(Y/N): '
  DUMMY='OK'
  W=R+16
  DO WHILE .NOT. (UPPER(OK) * 'YN')
    @W,0
    @W-1,0
    WAIT "&P" TO OK
  ENDDO
  DO CNF
ENDDO
IF DEF='Y'
  @R+16,0
  @R+15,0 SAY '
  ? 'PARAMETERS ENTERED EARLIER CORRESPONDING TO CHANGED QUESTIONS ARE NO MORE VALID'
  ?
  ?
ENDIF
USE
?
?
P='          WANT TO ENTER/EDIT QUESTION FORMS FOR MORE INSTRUMENT?(Y/N): '
DUMMY='MORE'
W=ROW()
MORE='
DO WHILE .NOT. UPPER(MORE) * 'YN'
  @W-1,0 CLEAR
  WAIT "&P" TO MORE
ENDDO
DO CNF
ENDIF
ENDDO
CLOSE DATABASES
RETURN

```

```

*PROGRAM NAME: ENTEXLV2.PRG      Ref: 500
*DEW/WIB/FRY/AMD/CHUNG 04/03/86
*Accepts results of preventive maintenance (using questionnaire form).
*
SET TALK OFF
MULTI='Y'
DO WHILE MULTI='Y'
  MULTI=
  CLEAR
  CLOSE DATABASES
  R=2
  C=2
  @R+11,C+4
  INPUT 'ENTER TAG NUMBER OF THE INSTRUMENT:' TO NUMER
  NM=STR(NUMER)
  SELECT 3
  USE INSTINFR INDEX TAGINST
  SEEK NUMER
  IF .NOT. EOF()
    SELECT 1
    USE EXELV2 INDEX TAGEXE ALIAS REF
    SELECT 2
    USE QSTLV2 INDEX TAGQST
    SET RELATION TO TAGNO INTO REF
    SEEK NUMER
    CYC='Y'
    DO WHILE CYC='Y'
      IF .NOT. EOF() .AND. (CYC='Y')
        SELECT 1
        APPEND BLANK
        PASS='N'
        DO WHILE PASS='N'
          CLEAR
          PASS=
          ? 'NOW ENTER RESULTS'
          @R,C SAY SPACE(40)+'TAG NUMBER &NM'
          @R+1,C SAY SPACE(30)+'DATE OF EXECUTING PM' GET DATE
          @R+2,C SAY SPACE(16)+'*** DC VOLAGES AND RIPPLES ***'
          @R+3,C SAY SPACE(20)+'VOLTAGE (V) RIPPLE (mV)'
          @R+4,C SAY SPACE(20)+'-----'
          @R+5,C+14 SAY '('+TRIM(B-> DC1)+')'
          @R+5,C+23 GET M1
          @R+5,C+24 GET ANS1_1LV2
          @R+5,C+36 GET ANS1_2LV2
          @R+6,C+14 SAY '('+TRIM(B-> DC2)+')'
          @R+6,C+23 GET M2
          @R+6,C+24 GET ANS1_3LV2
          @R+6,C+36 GET ANS1_4LV2
          @R+7,C+14 SAY '('+TRIM(B-> DC3)+')'
          @R+7,C+23 GET M3
          @R+7,C+24 GET ANS1_5LV2
          @R+7,C+36 GET ANS1_6LV2
          @R+8,C+14 SAY '('+TRIM(B-> DC4)+')'
          @R+8,C+23 GET M4
          @R+8,C+24 GET ANS1_7LV2
          @R+8,C+36 GET ANS1_8LV2
          @R+9,C+14 SAY '('+TRIM(B-> DC5)+')'
          @R+9,C+23 GET M5
          @R+9,C+24 GET ANS1_9LV2
          @R+9,C+36 GET ANS1_10LV2

```

D01

D11

D10

```

@R+11,C SAY B->Q1LV2 GET ANS2LV2
@R+12,C SAY B->Q2LV2 GET ANS3LV2
@R+13,C SAY B->Q3LV2 GET ANS4LV2
@R+14,C SAY B->Q4LV2 GET ANS5LV2
@R+15,C SAY B->Q5LV2 GET ANS6LV2
@R+16,C SAY B->Q6LV2 GET ANS7LV2
@R+17,C SAY 'DESCRIBE ANY REMARKS
READ
P='ARE THE ENTERED RESULTS CORRECT ?(Y/N): '
DUMMY='PASS'
W=R+20
DO WHILE .NOT. (UPPER(PASS) $ 'YN')
@W,C
@W-1,C
WAIT "&P" TO PASS
ENDDO
DO CNF
ENDDO PASS
REPLACE TAGNO WITH NUMER
CYC='N'
ELSE
CLEAR
?'STANDARD QUESTIONS FOR INSTRUMENT ARE NOT DEFINED'
?'ENTER QUESTIONS FIRST'
WAIT 'PRESS ANY KEY TO CONTINUE' TO DUMY
APPEND BLANK
REPLACE TAGNO WITH NUMER
INF='N'
DO WHILE INF='N'
INF=
CLEAR
@R+1,C SAY 'Q1. ANSWER IN ALPHANUMERIC' GET Q1LV2
@R+2,C SAY 'Q2. ANSWER IN ALPHANUMERIC' GET Q2LV2
@R+3,C SAY 'Q3. ANSWER IN ALPHANUMERIC' GET Q3LV2
@R+4,C SAY 'Q4. ANSWER IN LOGICAL' GET Q4LV2
@R+5,C SAY 'Q5. ANSWER IN LOGICAL' GET Q5LV2
@R+6,C SAY 'Q6. ANSWER IN LOGICAL' GET Q6LV2
@R+8,C+25 SAY 'ENTER DC VOLTAGES TO BE MEASURED'
@R+9,C+35 SAY '1: 'GET DC1
@R+10,C+35 SAY '2: 'GET DC2
@R+11,C+35 SAY '3: 'GET DC3
@R+12,C+35 SAY '4: 'GET DC4
@R+13,C+35 SAY '5: 'GET DC5
READ
P='ARE THE QUESTIONS OK ?(Y/N): '
DUMMY='INF'
W=R+15
DO WHILE .NOT. (UPPER(INF) $ 'YN')
@W,0
@W-1,0
WAIT "&P" TO INF
ENDDO
DO CNF
ENDDO INF

```

```

P='YOU WANT TO ENTER RESULTS ?(Y/N): '
DUMMY='RST'
W=R+15
RST=
DO WHILE .NOT. (UPPER(RST) $ 'YN')
@W,0
@W-1,0 SAY '
WAIT "&P" TO RST
ENDDO
DO CNF
IF UPPER(RST) = 'N'
CYC = 'N'
ELSE
CYC = 'Y'
ENDIF
ENDIF
ENDDO CYC
ELSE
?'YOUR TAG NUMBER DOES NOT EXIST IN THE SYSTEM'
N=100
DO WHILE N<>0
N=N-1
ENDDO
ENDIF
CLEAR
P='DO YOU WANT TO ENTER FINDINGS OF ANOTHER INSTRUMENT ?(Y/N): '
DUMMY='MULTI'
W=R+15
DO WHILE .NOT. (UPPER(MULTI) $ 'YN')
@W,0
@W-1,0
WAIT "&P" TO MULTI
ENDDO
DO CNF
ENDDO MULTI
CLOSE DATABASES
RETURN

```

*PROGRAM NAME: INREPAIR.PRG Ref: 600

*AMP/CHUNG 11/03/86

*Presents form for entering repair history.

*

SET TALK OFF

SET EXACT ON

R=2

C=2

MULTI='Y'

DO WHILE MULTI='Y'

MULTI=' '

CLEAR

CLOSE DATABASES

USE JOEVAR INDEX JOEDEX

APPE BLANK

SET INTENSITY OFF

@13,0 SAY ' ENTER TAG NUMBER OF THE INSTRUMENT : '

'GET TEMPVAR RANGE 0101,9999

READ

NUMER=TEMPVAR

SET INTENSITY ON

NM=STR(NUMER)

W=13

P=' ENTER TAG NUMBER OF THE INSTRUMENT : '

DUMMY='NM'

DO CNF

DELE

PACK

SELECT 3

USE INSTINFR INDEX TAGINST

IF .NOT. EOF()

SEEK NUMER

ENDIF

IF .NOT. EOF()

WAIT 'IS THE REPAIR COMPLETE? (Y/N): ' TO FIN

IF .NOT. (FIN='Y')

REPLACE INS_UND_RE WITH .F.

CLOSE DATABASES

ELSE

REPLACE INS_UND_RE WITH .T.

DTARR=DT_ARRVL

PRICETK=PRICE_LOC

NAME=INST_NAME

SELECT 4

USE PLCYMTX

GO INT(NUMER/100)+1

EXPYR=EXP_SER_YR

USE

UL=DTARR+EXPYR*365

SELECT 1

USE HIS_REP INDEX TAGHIS

APPEND BLANK

PASS='N'

DO WHILE PASS='N'

CLEAR

PASS=' '

(D06)

(D01)

(D14)

(D12)

? 'NOW ENTER REPAIR HISTORY'

@R,C SAY SPACE(20)+'TAG NUMBER : &NM'

@R+2,C SAY SPACE(26)+'FAULT STATUS'

@R+3,C SAY SPACE(26)+'*****'

@R+4,C+6 SAY 'DATE OF FAULT (MM/DD/YY): 'GET FLT_DATE RANGE DTARR, UL

@R+5,C-2 SAY 'DATE OF FAULT REPORTED(MM/DD/YY): 'GET FLT_RP_DT RANGE DTARR, UL

@R+6,C+15 SAY 'CAUSE OF FAULT : 'GET CAUSE

@R+7,C+16 SAY 'TYPE OF FAULT : 'GET FLT_TYPE

@R+8,C+3 SAY 'DESCRIPTION OF MALFUNCTION : 1. 'GET MALF1

@R+9,C+32 SAY '2. 'GET MALF2

@R+10,C+32 SAY '3. 'GET MALF3

READ

@R+12,C+27 SAY 'DIAGNOSIS'

@R+13,C+27 SAY '*****'

@R+14,C+22 SAY 'BY WHOM : 'GET DIAG_MAN

@R+15,C+9 SAY 'START DATE (MM/DD/YY): 'GET DIA_DATE RANGE FLT_RP_DT, UL

@R+16,C+9 SAY ' END DATE (MM/DD/YY): 'GET END_DIA_DT RANGE FLT_RP_DT, UL

@R+17,C+20 SAY 'WAGE/HOUR : 'GET WAGE_HR1

@R+18,C-2 SAY 'TIME TAKEN IN UNITS OF .1 HR/DAY: 'GET DIA_MN_HR

READ

CLEAR

R=1

@R,C SAY SPACE(29)+'REPAIR'

@R+1,C SAY SPACE(29)+'*****'

@R+2,C+22 SAY 'BY WHOM : 'GET REP_MAN

@R+3,C+9 SAY 'START DATE (MM/DD/YY): 'GET STA_REP_DT RANGE END_DIA_DT, UL

@R+4,C+9 SAY ' END DATE (MM/DD/YY): 'GET END_REP_DT RANGE END_DIA_DT, UL

@R+5,C+20 SAY 'WAGE/HOUR : 'GET WAGE_HR2

@R+6,C-2 SAY 'TIME TAKEN IN UNITS OF .1 HR/DAY: 'GET REP_MN_HR

R=2

@R+7,C SAY SPACE(25)+'REPLACED PARTS'

@R+8,C SAY SPACE(25)+'*****'

C=-10

@R+9,C+21 SAY 'PART NO' + SPACE(07) + 'PART NAME' + SPACE(16) + 'TYPE NO' + SPACE

'QNT' + ' COST/PC'

@R+10,C+17 SAY '1. 'GET PART1_NO

@R+10,C+32 GET NM_PART1

@R+10,C+55 GET MDL1

@R+10,C+72 GET QNTY1

@R+10,C+77 GET COST1

@R+11,C+17 SAY '2. 'GET PART2_NO

@R+11,C+32 GET NM_PART2

@R+11,C+55 GET MDL2

@R+11,C+72 GET QNTY2

@R+11,C+77 GET COST2

@R+12,C+17 SAY '3. 'GET PART3_NO

@R+12,C+32 GET NM_PART3

@R+12,C+55 GET MDL3

@R+12,C+72 GET QNTY3

@R+12,C+77 GET COST3

@R+13,C+17 SAY '4. 'GET PART4_NO

@R+13,C+32 GET NM_PART4

@R+13,C+55 GET MDL4

@R+13,C+72 GET QNTY4

@R+13,C+77 GET COST4

→ + 'QNT' + ' COST/PC'

```

C=2
@R+15,C+1 SAY 'TIME TAKEN TO GET PARTS(DAY) : 'GET TM_GET_PT
@R+16,C+1 SAY 'OVERHEAD (%) : 'GET OVERHEAD
READ
CLEAR
@R,C SAY SPACE(28)+'RESULTS'
@R+1,C SAY SPACE(28)+'*****'
@R+2,C+4 SAY 'COMPLETION DATE (MM/DD/YY): 'GET END_DATE RANGE END_REP_DT,UL
@R+3,C+4 SAY 'QC CHECKED BY: 'GET QC_CHE_BY
@R+4,C+13 SAY 'SYSTEM CONDITION : 'GET SYS_COND
@R+5,C+9 SAY 'REASON FOR ANY DELAY : 'GET WHY_DLY
@R+6,C+22 SAY 'REMARKS : 'GET REMARKS
READ
P='IS THE ENTERED DATA CORRECT ?(Y/N): '
DUMMY='PASS'
W=R+20
DO WHILE .NOT.(UPPER(PASS) $ 'YN')
    @W,C CLEAR
    @W-1,C
    WAIT "&P" TO PASS
ENDDO
DO CNF
ENDDO PASS
DO CALLOST
ENDIF
ELSE
?'YOUR TAG NUMBER DOES NOT EXIST IN THE SYSTEM'
CNT=100
DO WHILE .NOT.(CNT=0)
    CNT=CNT-1
ENDDO
ENDIF
CLEAR
P='DO YOU WANT TO ENTER ANOTHER REPAIR HISTORY ?(Y/N): '
DUMMY='MULTI'
W=R+15
DO WHILE .NOT.(UPPER(MULTI) $ 'YN')
    @W,0
    @W-1,0
    WAIT "&P" TO MULTI
ENDDO
DO CNF
ENDDO MULTI
CLOSE DATABASES
RETURN

```

601

```

*PROGRAM NAME: CALLOST.PRG
*08/07/86 AMP/DEWITA
*Calculates cost of repair.
*
TOTDT=(END_DATE-FLT_DATE)+1
REPLACE DIAG_COST WITH (((END_DIA_DT-DIA_DATE)+1)*(DIA_MN_HR/10)*WAGE_HR1)
REPLACE REP_COST WITH (((END_REP_DT-STA_REP_DT)+1)*(REP_MN_HR/10)*WAGE_HR2)
REPLACE TOT_PT_CST WITH ((QNTY1*CDST1)+(QNTY2*CDST2)+(QNTY3*CDST3)+(QNTY4*CDST4))
REPLACE LA_DN_TM WITH TOTDT
COLARE=(DIAG_COST+REP_COST+TOT_PT_CST)
REPLACE LA_RP_CST WITH COLARE
REPLACE OVE_HEA_CD WITH ((COLARE)+((OVERHEAD/100)*COLARE))
OVER=OVE_HEA_CD
FLTYR=YEAR(FLT_DATE)
ENDYR=YEAR(END_DATE)
REPLACE TAGNO WITH NUMER
SET EXACT ON
IF .NOT.(YEAR(DTARR)<>0.AND.(PRICETK>0))
?'VALUE EVALUATION IS IMPOSSIBLE WITHOUT ARRIVAL DATE AND PRICE'
CNT=100
DO WHILE .NOT. CNT=0
    CNT=CNT-1
ENDDO
ELSE
    IF ENYR < (YEAR(DTARR)+EXPYR)
        SELECT 1
        CURVAL=INT(PRICETK*(1-(((END_DATE-DTARR)+1)/(EXPYR*365))))
    ELSE
        CURVAL=0
    ENDIF
    DNWK=TOTDT/7
    LOSTVAL=INT((DNWK*PRICETK)/100)
    REPLACE LOST_VALU WITH LOSTVAL
    SELECT 3
    REPLACE TOT_RP_CST WITH (TOT_RP_CST+COLARE)
    TOCORE=TOT_RP_CST
    REPLACE TOT_DN_TM WITH (TOT_DN_TM+TOTDT)
    TODOTI=TOT_DN_TM
    REPLACE TOT_LO_VAL WITH TOT_LO_VAL+LOSTVAL
    TOLOVA=TOT_LO_VAL
    REPLACE CVAL_UP_YR WITH ENYR
    REPLACE CAL_VALU WITH CURVAL
    YRARR=YEAR(DTARR)
    CLEAR
    ? 'ENTER REQUIRED CHOICE FOR REPAIR EVALUATION REPORT'
    OUT=' '
    DO PD
    IF OUT='P'
        SET PRINT ON
    ELSE
        CLEAR
    ENDIF

```

```

?      REPAIR EVALUATION'
?      -----
?      TAG NUMBER: '+STR(NUMER)+'      INSTRUMENT NAME: '+NAME
?
?      ORIGINAL PRICE: '+STR(PRICEK)+';'+STR(YRARR)
?      CURRENT VALUE: '+STR(CURVAL)+';'+STR(ENDDYR)
?      TOTAL REPAIR COST: '+STR(TOCORE)
?      LAST REPAIR COST: '+STR(COLARE)
?      TOTAL LOST VALUE: '+STR(TOLOVA)
?      LOST VALUE OF LAST REPAIR: '+STR(LOSTVAL)
?      TOTAL DOWN TIME (DAYS): '+STR(TODDTI)
?      DOWN TIME IN LAST REPAIR (DAYS): '+STR(TOTDT)
?      REPAIR COST WITH OVERHEAD: '+STR(OVER)
?
?      IF OUT='D'
?      WAIT
?      ELSE
?      SET PRINT OFF
?      ENDIF
?      ENDIF
?      RETURN

```

PRESS ANY KEY TO PROCEED 'TO XXX

*PROGRAM NAME: INVENTORY.PRG Ref: 700
 *AMP/VICHIEU 01/07/86 (DAEP, THAILAND)
 *Spare parts stock: enter, search, update.

```

$
SET TALK OFF
G = 'Y'
DO WHILE G = 'Y'
  CLEAR
  ?      KEY      FUNCTION'
  ?      ---      -----
  ?      U      UPDATE SPARE PARTS'
  ?      S      SEARCH SPARE PARTS'
  ?      E      ENTER SPARE PARTS'
  ?      R      RETURN TO MAINMENU'
  ?
  ?      P= ' ENTER PROPER LETTER FOR REQUIRED FUNCTION:'
  W= ROW()
  DUMMY='FUN'
  FUN = ' '
  DO WHILE .NOT. UPPER(FUN) $ 'USER'
    @ W,0
    @ W-1,0 SAY ' '
    WAIT '&P' TO FUN
  ENDDO
  DO CNF
  DO CASE
    CASE FUN = 'U'
      DO SPAUP
    CASE FUN = 'S'
      DO SPAREP
    CASE FUN = 'E'
      DO ENTSPA
    CASE FUN = 'R'
      G = 'N'
  ENDCASE
  CLEAR
  IF FUN<>'R'
    ?
    ?      P = 'WANT ANY OTHER FUNCTION ON SPARE PARTS? (Y/N):'
    W = ROW()
    DUMMY= 'G'
    G= ' '
    DO WHILE .NOT. UPPER(G) $ 'YN'
      @ W,0
      @ W-1,0 SAY ' '
      WAIT '&P' TO G
    ENDDO
    DO CNF
  ENDIF
ENDDO
CLOSE DATABASES
RETURN

```

702

703

701

-59-

701

```

*PROGRAM NAME: ENTSPA.PRG          Ref: 701
*AMP/VICHIE (DAEP, THAILAND) 02/07/86
*Enter spare parts for an instrument into stock.
*
CLEAR
NEW = 'Y'
DO WHILE NEW = 'Y'
  INPUT 'ENTER TAG NUMBER FOR WHICH SPARE PARTS TO BE ADDED:' TO NOMOR
  USE INSTINFR INDEX TAGINST
  SEEK NOMOR
  IF EOF()
    ? 'THERE IS NO INSTRUMENT WITH THIS TAG NUMBER'
    USE
    X=100
    DO WHILE .NOT.(X=0)
      X=X-1
    ENDDO
  ELSE
    USE
    USE SPARESINFR INDEX TAGSPARE,PART,TYPSPA
    MORE = 'Y'
    DO WHILE MORE = 'Y'
      GOTO BOTTOM
      APPEND BLANK
      CLEAR
      R=2
      C=10
      OK= 'N'
      DO WHILE OK='N'
        @ R,C SAY 'PART NUMBER:'GET PART_NO
        @ R+1,C SAY 'PART NAME:'GET PART_NAME
        @ R+2,C SAY 'TYPE NO:'GET TYPE_NO
        @ R+3,C SAY 'QUANTITY:'GET QTY
        READ
        P='IS THE ENTERED DATA CORRECT?(Y/N):'
        W=R+6
        DUMMY='OK'
        OK=' '
        DO WHILE .NOT.UPPER(OK) $ 'YN'
          @W,0
          @W-1,0 SAY ' '
          WAIT '&P' TO OK
        ENDDO
        DO CNF
        @ W,0
      ENDDO
      REPLACE LAST_BAL WITH QTY
      REPLACE TAGNO WITH NOMOR
      CLEAR
    ENDDO
  ENDDO
  NEW = 'Y'
ENDDO

```

(D01)

(D02)

-60-

701

```

?
P=' WANT TO ENTER MORE SPARES FOR THE SAME INSTRUMENT?(Y/N):'
W= ROW()
DUMMY = 'MORE'
MORE = ' '
DO WHILE .NOT. UPPER(MORE) $ 'YN'
  @W,0
  @W-1,0 SAY ' '
  WAIT '&P' TO MORE
ENDDO
DO CNF
@W,0
ENDDO
ENDIF
USE
CLEAR
?
P=' WANT TO ENTER SPARES FOR ANOTHER INSTRUMENT?(Y/N):'
W=ROW()
DUMMY = 'NEW'
NEW= ' '
DO WHILE .NOT. UPPER(NEW) $ 'YN'
  @W,0
  @W-1,0 SAY ' '
  WAIT '&P' TO NEW
ENDDO
DO CNF
CLEAR
?
CLOSE DATABASES
ENDDO
RETURN

```

```

*PROGRAM NAME: SPAUP.PRG           Ref: 702
*03/07/86 AMP/VICHIE (DAEP, THAILAND)
*Use of spare parts, inventory updated.
*
TAG='?'
SAME='?'
HOST='?'
GEST='?'
GTAGND=0
SUC='?'
SPA='?'
TYP='?'
BOOL='?'
BOOL1='?'
NDMOR=0
LEB='USED:'
KNOW='?'
DO SPASEA
IF TAG <> 'N'
    IF SUC = 'Y'.OR. SUC='N'
        CLEAR
        SELECT 4
        USE SPACONBAL INDEX PARTCON
        APPEND BLANK
        OK='N'
        DO WHILE OK='N'
            R=2
            C=4
            @ R+0,C SAY 'NAME OF THE USER: ' GET USER
            @ R+1,C SAY 'QUANTITY USED: ' GET QTY_USED
            @ R+2,C SAY 'DATE ON WHICH PARTS USED(MM/DD/YY): ' GET DT_OF_USE
            READ
            P='IS THE ENTERED INFORMATION OK?(Y/N): '
            DUMMY='OK'
            W=R+5
            OK=' '
            DO WHILE .NOT. UPPER(OK) $ 'YN'
                @W-1,0 CLEAR
                WAIT "&P" TO OK
            ENDDO
            DO CNF
        ENDDO
        USED=QTY_USED
    ENDIF
    IF SUC='Y'
        SELECT 2
        IF GEST='Y'
            SELECT 4
            REPLACE GEST_STOCK WITH .Y.
            REPLACE OWN_STOCK WITH .N.
            SELECT 2
        ENDIF
        IF HOST='Y'.OR. GEST='Y'
            PART=PART_NO
            TYPNO=TYPE_NO
            SELECT 4
            REPLACE TYPE_NO WITH TYPNO
            REPLACE PART_NO WITH PART
            REPLACE TAGND WITH NDMOR
        ENDIF
    ENDIF

```

704

D08

```

SELECT 2
GOTO TOP
DO WHILE USED <> 0 .AND. (.NOT. EOF())
    IF &BOOL
        IF USED <= LAST_BAL
            BAL=LAST_BAL-USED
            REPLACE LAST_BAL WITH BAL
            USED=0
            SELECT 4
            REPLACE BALANCE WITH BAL
            REPLACE OWN_STOCK WITH .Y.
            REPLACE GEST_STOCK WITH .N.
        ELSE
            USED=USED-LAST_BAL
            REPLACE LAST_BAL WITH 0
            SKIP
            SELECT 4
            REPLACE BALANCE WITH 0
            REPLACE OWN_STOCK WITH .Y.
        ENDIF
    ELSE
        SKIP
    ENDIF
    SELECT 2
ENDDO
IF USED > 0
    GOTO TOP
    DO WHILE USED <> 0 .AND. (.NOT. EOF())
        IF &BOOL1
            IF USED<=LAST_BAL
                BAL=LAST_BAL - USED
                REPLACE LAST_BAL WITH BAL
                USED = 0
                SELECT 4
                REPLACE BALANCE WITH BAL
                REPLACE GEST_STOCK WITH .Y.
            ELSE
                USED = USED-LAST_BAL
                REPLACE LAST_BAL WITH 0
                SKIP
                SELECT 4
                REPLACE BALANCE WITH 0
                REPLACE GEST_STOCK WITH .Y.
            ENDIF
        ELSE
            SKIP
        ENDIF
        SELECT 2
    ENDDO
ENDIF
IF USED>0
    IF USED=1
        VERB=' PART IS'
    ENDIF
    IF USED>1
        VERB=' PARTS ARE'
    ENDIF
    ? STR(USED)+'&VERB'+ ' USED FROM OUTSIDE STOCK'
ENDIF

```


-63-

702

```

ELSE
  ? 'ALL PARTS ARE USED FROM OUTSIDE STOCK'
  REPLACE OWN_STOCK WITH .N.
  REPLACE GEST_STOCK WITH .N.
  REPLACE PART_NO WITH SPA
  REPLACE TYPE_NO WITH TYP
  REPLACE TAGNO WITH NOMOR
ENDIF
SELE 4
  REPLACE OUT_STOCK WITH USED
ENDIF
CLOSE DATABASES
RETURN

```

-64-

703

```

*PROGRAM NAME: SPAREP.PRG          Ref: 703
*04/07/86 AMP/VICHIE/ANRI/DIN (DAEP/THAILAND, UTM/MALAYSIA)
*Text reporting on availability of a spare part.

```

```

*
LEB='TO BE SEARCHED:'
TAG='?'
GTAGNO=0
SUC='?'
HOST='?'
GEST='?'
SAME='?'
SPA = ''
NOMOR = ''
TYP = ''
DO SPASEA
IF TAG <> 'N'
  IF SUC = 'Y'
    IF HOST = 'Y' .AND. SAME = 'Y'
      CLEAR
      ? 'SPARE PART IS AVAILABLE'
      SELE 2
      DISP OFF FOR TAGNO = NOMOR .AND. LAST_BAL <> 0 .AND. PART_NO = '&SPA'
    ELSE
      IF HOST = 'Y' .AND. SAME = 'N'
        ? 'SIMILAR TYPE NUMBER IS AVAILABLE'
        SELE 2
        DISP OFF FOR TAGNO = NOMOR .AND. LAST_BAL <> 0 .AND. TYPE_NO = '&TYP'
      ENDIF
    ENDIF
  ENDIF
  IF GEST = 'Y' .AND. SAME = 'N'
    CLEAR
    ? 'THIS PART NUMBER IS FROM ANOTHER INSTRUMENT'
    SELE 2
    LIST FOR LAST_BAL <> 0 .AND. TYPE_NO = '&TYP'
  ENDIF
ENDIF
ENDIF
IF SUC = 'N'
  ? 'NEITHER PART NUMBER NOR TYPE NUMBER IS AVAILABLE'
ENDIF
ENDIF
WAIT 'PRESS ANY KEY TO PROCEED' TO DUMMY
CLOSE DATABASES
RETURN

```

704

*PROGRAM NAME: SPASEA.PRG Ref: 704
 *03/07/86 AMP/VICHIE/ANZRI/KAMARUDDIN (OAE/THAILAND, *Checks availability of a spare part.

```

*
UTN/MALAYSIA)
SET TALK OFF
CLEAR
INPUT 'ENTER TAG NUMBER FOR WHICH SPARES ARE '+*%LEB% TO NOMOR
SELECT 1
USE INSTINFR INDEX TAGINST
SEEK NOMOR
IF EOF()
  ? 'INSTRUMENT WITH THIS TAG NUMBER DOES NOT EXIST'
  TAG='N'
ELSE
  SELECT 2
  USE SPARESIN INDEX PART,TYPSPA
  P='IS PART NUMBER KNOWN ?(Y/N): '
  DUMMY='KNOW'
  W=2
  KNOW=' '
  DO WHILE .NOT. UPPER(KNOW) * 'YN'
    @W-1,0 CLEAR
    WAIT "%P" TO KNOW
  ENDDO
  DO CNF
  IF KNOW='Y'
    ACCEPT 'ENTER PART NUMBER: TO SPA
    GOTO TOP
    DO WHILE (.NOT. EOF()) .AND. (.NOT. ((TAGNO=NOMOR) .AND. (LAST_BAL<>0) .AND. (PART_1
    = '&SPA'))))
      SKIP
    ENDDO
    IF (.NOT. EOF()) .AND. (TAGNO=NOMOR) .AND. (LAST_BAL<>0)
      BOOL="(.NOT. EOF()) .AND. (TAGNO=NOMOR) .AND. (LAST_BAL<>0) .AND. (PART_NO='&SPA')
      TYP = TYPE_NO
      BOOL1="(.NOT. EOF()) .AND. (LAST_BAL<>0) .AND. (TYPE_NO='&TYP')
      SAME='Y'
      HOST='Y'
      SUC='Y'
    ENDIF
  ENDIF
  IF (KNOW='N') .OR. ((KNOW='Y') .AND. (LAST_BAL=0))
    BOOL=" (KNOW='N') .OR. ((KNOW='Y') .AND. (LAST_BAL=0))
    ACCEPT 'ENTER TYPE NUMBER: TO TYP
    GO TOP
    DO WHILE (.NOT. EOF()) .AND. (.NOT. ((TAGNO=NOMOR) .AND. (LAST_BAL<>0) .AND. (TYPE_1
    = '&TYP'))))
      SKIP
    ENDDO
  
```

```

IF (.NOT. EOF()) .AND. (TAGNO=NOMOR) .AND. (LAST_BAL<>0)
  BOOL="(.NOT. EOF()) .AND. (TAGNO=NOMOR) .AND. (LAST_BAL<>0) .AND. (TYPE_NO='&TYP')
  BOOL1="(.NOT. EOF()) .AND. (LAST_BAL<>0) .AND. (TYPE_NO='&TYP')
  SAME='N'
  HOST='Y'
  SUC='Y'
ELSE
  IF (.NOT. EOF()) .AND. (LAST_BAL<>0)
    BOOL="(.NOT. EOF()) .AND. (LAST_BAL<>0) .AND. (TYPE_NO='&TYP')
    SAME='N'
    GEST='Y'
    SUC='Y'
    GTAGNO=TAGNO
  ELSE
    DO WHILE (LAST_BAL=0) .AND. (TYPE_NO="&TYP") .AND. (.NOT. EOF())
      SKIP
    ENDDO
    IF (LAST_BAL<>0) .AND. (TYPE_NO='&TYP')
      BOOL=" (LAST_BAL<>0) .AND. (TYPE_NO='&TYP')
      SAME='N'
      GEST='Y'
      SUC='Y'
      GTAGNO=TAGNO
    ELSE
      SAME='N'
      HOST='N'
      GEST='N'
      SUC='N'
    ENDIF
  ENDIF
ENDIF
ENDIF
ENDIF
RETURN

```

- 67 -

800

```
*PROGRAM NAME: INFSEARCH.PRG      Ref: 800
*3/3/86 KOREA  AMP/CHUNG
*Search for information about an instrument.
*
SET TALK OFF
KEY=' '
VAB=' '
BOOLEXP=' '
REPEAT='Y'
USE INSTNER INDEX TAGINST
DO WHILE UPPER(REPEAT)='Y'
DO KEYSEARCH
CLEAR
IF KEY<>'R'
GOTO TOP
LIST OFF FOR &BOOLEXP TAGNO,INST_LDC,INST_NAME,MNFR_NAME,YR_MNFR
P='WANT TO SEARCH MORE INSTRUMENTS ?(Y/N): '
DUMMY='REPEAT'
W=24
REPEAT=' '
DO WHILE .NOT.UPPER(REPEAT) & 'YN'
@W,0
@W-1,0 SAY ' '
WAIT "&P" TO REPEAT
ENDDO
DO CNF
ENDDO
CLOSE DATABASES
SET EXACT OFF
ENDIF
RETURN
```

DoI

801

- 68 -

801

```
*PROGRAM NAME: KEYSEARCH.PRG      Ref:801
*03/03/86 KOREA  AMP/CHUNG
*Choose key for instrument search (type, manufacturer, etc).
*
SET TALK OFF
CLEAR
?'SEARCH RECORDS USING ANY OF THE FOLLOWING INFORMATION'
?
?
?' KEY          INFORMATION'
?' ***          *****'
?' A            INSTRUMENT NAME'
?' B            INSTRUMENT MODEL NUMBER'
?' C            INSTRUMENT SERIAL NUMBER'
?' D            INSTRUMENT MANUFACTURER'
?' E            INSTRUMENT SUPPLIER'
?' F            INSTRUMENT INVENTORY NUMBER'
?' G            INSTRUMENT ARRIVAL DATE'
?' H            INSTRUMENT LOCATION'
?' I            INSTRUMENT USER NAME'
?' J            INSTRUMENT LEVEL-2 PM PERSON'
?' K            INSTRUMENT TAG NUMBER'
?' R            RETURN TO THE MAINMENU'
?
P='ENTER ANY ONE KEY FOR REQUIRED SEARCH: '
DUMMY='KEY'
W=19
KEY = ' '
DO WHILE .NOT.UPPER(KEY) & 'ABCDEFGHIJKR'
@W,0
@W-1,0 SAY ' '
WAIT "&P" TO KEY
ENDDO
DO CNF
KEY=UPPER(KEY)
```

```

DO CASE
CASE KEY = 'A'
ACCEPT 'ENTER INSTRUMENT NAME:' TO VARB
BOOLEXP='VARB $ INST_NAME'
CASE KEY = 'B'
ACCEPT 'ENTER INSTRUMENT MODEL NUMBER:' TO VARB
BOOLEXP='VARB $ MODEL_NO'
CASE KEY = 'C'
ACCEPT 'ENTER INSTRUMENT SERIAL NUMBER:' TO VARB
BOOLEXP='VARB $ SERIAL_NO'
CASE KEY = 'D'
ACCEPT 'ENTER INSTRUMENT MANUFACTURER NAME:' TO VARB
BOOLEXP='VARB $ MNFRC_NAME'
CASE KEY = 'E'
ACCEPT 'ENTER INSTRUMENT SUPPLIER NAME:' TO VARB
BOOLEXP='VARB $ SUPLR_NAME'
CASE KEY = 'F'
ACCEPT 'ENTER INSTRUMENT INVENTORY NUMBER:' TO VARB
BOOLEXP='VARB $ INVT_NO'
CASE KEY = 'G'
ACCEPT 'ENTER INSTRUMENT ARRIVAL DATE:' TO VARB
BOOLEXP='VARB $ DTDC(DT_ARRVL)'
CASE KEY = 'H'
ACCEPT 'ENTER INSTRUMENT LOCATION:' TO VARB
BOOLEXP='VARB $ INST_LOC'
CASE KEY = 'I'
ACCEPT 'ENTER INSTRUMENT USER NAME:' TO VARB
BOOLEXP='VARB $ MAIN_USER'
CASE KEY = 'J'
ACCEPT 'ENTER INSTRUMENT LEVEL-2 PM PERSON NAME:' TO VARB
BOOLEXP='VARB $ PM_PER_LV2'
CASE KEY = 'K'
ACCEPT 'ENTER INSTRUMENT TAG NUMBER:' TO VARB
BOOLEXP='VARB $ STR(TAGNO)'
CASE KEY = 'R'
CLOSE DATABASES
RETURN
ENDCASE
RETURN

```

```

*PROGRAM NAME: GENREP.PRG          Ref: 900
*ANISA BEGUM 26/11/85
*Choose type of report.  Generates report types 0/1/2/3/8/9.
*
SET TALK OFF
CLEAR
JAY='Y'
DO WHILE UPPER(JAY)='Y'
CLEAR
SET TALK OFF
R=3
C=4
@R,C-1 SAY ' NO   REPORT TYPE'
@R+1,C SAY '-----'
@R+3,C SAY '0   WORK LOAD PER PM-PERSON FOR LEVEL2 PER YEAR'
@R+4,C SAY '1   WORK LOAD PER PM-PERSON FOR LEVEL3 PER YEAR'
@R+5,C SAY '2   LIST OF GOOD/BAD INSTRUMENTS'
@R+6,C SAY '3   LIST INSTRUMENT NAME,PM-PERSON-LV2,PM-PERSON-LV3'
@R+7,C SAY '4   QUESTION FORM FOR REPORTING EXECUTED LEVEL-2 PM'
@R+8,C SAY '5   JOB LIST FOR LEVEL-2 PERSONS FOR REQUIRED WEEK'
@R+9,C SAY '6   INSTRUMENT'S HISTORY OF LEVEL-2 PM EXECUTED'
@R+10,C SAY '7   REPAIR HISTORY OF A SELECTED INSTRUMENT'
@R+11,C SAY '8   LIST OF SPARE PARTS FOR A SELECTED INSTRUMENT'
@R+12,C SAY '9   LIST OF PERSONS DOING LEVEL-2 JOBS FOR REQUIRED WEEK'
@R+13,C SAY 'R   RETURN TO THE MAINMENU'
P='      ENTER NUMBER OF REQUIRED REPORT: '
DUMMY='REPT'
W=R+15
REPT=' '
DO WHILE .NOT.(UPPER(REPT) $ '0123456789R')
@W,C
@W-1,C SAY ' '
WAIT "MP" TO REPT
ENDDO
DO CNF
DO CASE
CASE REPT='0'
CLEAR
R=3
C=3
USE SCHPMLV2 INDEX PERSON
OUT=' '
DO PD
CLEAR
IF UPPER(OUT)='P'
REPORT FORM LOADLV2 NOJECT TO PRINT
ELSE
REPORT FORM LOADLV2
ENDIF
CLOSE DATABASES
CASE REPT='1'
CLEAR
R=3
C=3
USE SCHPMLV3 INDEX PERSONLV3
OUT=' '
DO PD
CLEAR

```

D03

D04

```

IF UPPER(OUT)='P'
REPORT FORM LOADLV3 NOEJECT TO PRINT
ELSE
REPORT FORM LOADLV3
ENDIF
CLOSE DATABASES

```

```

CASE REPR='2'

```

```

CLEAR

```

```

R=3

```

```

C=3

```

```

USE INSTINFR INDEX TAGINST

```

```

? 'KEY FUNCTION'

```

```

? '-----'

```

```

? ' G LIST OF GOOD INSTRUMENTS'

```

```

? ' B LIST OF BAD INSTRUMENTS'

```

```

?

```

```

W=ROW()+2

```

```

P='ENTER REQUIRED KEY: '

```

```

DUMMY='REQ'

```

```

REQ=' '

```

```

DO WHILE .NOT. UPPER(REQ) $ 'GB'

```

```

@ W,0

```

```

@ W-1,0 SAY ' '

```

```

WAIT "&P" TO REQ

```

```

ENDDO

```

```

DO CNF

```

```

CLEAR

```

```

IF REQ='G'

```

```

BOOL='INS_UND_RE'

```

```

ELSE

```

```

BOOL='NOT.INS_UND_RE'

```

```

ENDIF

```

```

OUT=' '

```

```

DO PD

```

```

IF UPPER(OUT)='P'

```

```

LIST OFF TAGNO,INST_NAME,INST_LDC TO PRINT FOR &BOOL

```

```

ELSE

```

```

CLEAR

```

```

DISP OFF TAGNO,INST_NAME,INST_LDC FOR &BOOL

```

```

ENDIF

```

```

CLOSE DATABASES

```

```

?

```

```

CASE REPR='3'

```

```

CLEAR

```

```

R=3

```

```

C=3

```

```

USE INSTINFR INDEX TAGINST

```

```

OUT=' '

```

```

DO PD

```

```

IF UPPER(OUT)='P'

```

```

LIST OFF TAGNO,INST_NAME,PM_PER_LV2,PM_PER_LV3 TO PRINT

```

```

ELSE

```

```

CLEAR

```

```

DISP OFF TAGNO,INST_NAME,PM_PER_LV2,PM_PER_LV3 ALL

```

```

ENDIF

```

```

CLOSE DATABASES

```

(D01)

(D01)

```

CASE REPR='4'

```

```

DO QFORM

```

902

```

CASE REPR='5'

```

```

DO JOBRP

```

903

```

CASE REPR='6'

```

```

DO HISPMLV2

```

907

```

CASE REPR='7'

```

```

DO REPAIRHIS

```

906

```

CASE REPR='B'

```

```

MORE='Y'

```

```

DO WHILE MORE='Y'

```

```

MORE=' '

```

```

CLEAR

```

```

USE SPARESINF INDEX TAGSPARE

```

```

NOMOR=0

```

```

DO WHILE (.NOT. NOMOR < 9999) .OR. (NOMOR <= 0)

```

```

@ 2,0

```

```

@ 1,0 SAY ' '

```

```

INPUT 'ENTER THE TAG NUMBER FOR SPARES LIST: ' TO NOMOR

```

```

ENDDO

```

```

GO TDP

```

```

SEEK NOMOR

```

```

IF EOF()

```

```

? 'NO SPARES HAVE BEEN ENTERED FOR THIS INSTRUMENT'

```

```

ELSE

```

```

CLEAR

```

```

? ' SPARES LIST FOR THE INSTRUMENT WITH TAG NUMBER'+ STR(NOMOR)

```

```

? ' *****'

```

```

? 'PART NUMBER PART NAME TYPE NUMBER BALANCE'

```

```

? '-----'

```

```

?

```

```

DO WHILE TAGNO=NOMOR

```

```

? PART_NO,PART_NAME,TYPE_NO,LAST_BAL

```

```

SKIP

```

```

ENDDO

```

```

ENDIF

```

```

CLOSE DATABASES

```

```

F='DO YOU WANT LIST OF SPARE PARTS FOR ANOTHER INSTRUMENT ?(Y/N): '

```

```

DUMMY='MORE'

```

```

W=ROW()+2

```

```

DO WHILE .NOT. UPPER(MORE) $ 'YN'

```

```

@ W-1,0 CLEAR

```

```

WAIT "&P" TO MORE

```

```

ENDDO

```

```

DO CNF

```

```

ENDDO

```

```

CASE REPR='9'
SET TALK OFF
CLEAR
X=4
OUT=' '
WK=0
DO WEEKSEL
CNT=WK
SELECT 1
USE ARRAY INDEX ARRND
GOTO TOP
SEEK CNT
WKVAR=WK
SELECT 2
USE PMSTWKM INDEX PMPERLV2
GOTO TOP
@X-3,0 CLEAR
?' LIST OF PERSONS DOING LEVEL-2 JOBS FOR WEEK NUMBER: '+STR(CNT)
?' *****
?
? NAME NUMBER OF INSTRUMENTS
? -----
DO WHILE .NOT. EOF()
IF &WKVAR<>0
INS=&WKVAR
INS=STR(INS)
?SPACE(14)+PM_PER_LV2+INS
ENDIF
SKIP
ENDDO
?
?
SET PRINT OFF
CLOSE DATABASES
CASE REPR='R'
JAY='N'
ENDCASE
IF REPR <> 'R'
P='WANT ANOTHER REPORT ?(Y/N): '
DUMMY='JAY'
W=24
JAY=' '
DO WHILE .NOT. (UPPER(JAY) $ 'YN')
@W,0
@W-1,77 SAY ' '
WAIT *&P TO JAY
ENDDO
DO CNF
ENDIF
ENDDO
RETURN

```

904

D15

D13

```

*PROGRAM NAME: QFORM.PRG
*AMP/CHUNG 04/03/86
*Generates questionnaire form (voltages etc for an instrument).
*
SET TALK OFF
CLEAR
SET MARGIN TO 2
SELECT 8
USE QSTLV2 INDEX TAGQST
ANOTHER = 'Y'
DO WHILE ANOTHER='Y'
IF REPR='4'
INPUT "ENTER INSTRUMENT'S TAG NUMBER WHOSE Q.FORM IS REQUIRED: " TO ANGKA
OUT=' '
DO PD
IF UPPER(OUT)='P'
SET PRINT ON
ENDIF
ENDIF
ANG=STR(ANGKA)
SEEK ANGKA
IF .NOT. EOF()
?'*****
?'
?'QUESTIONS FORM FOR THE INSTRUMENT WITH TAG NUMBER: '+ ANG
?'*****
?'
?'1. CHECK ALL THE DC VOLTAGES AND RIPPLES !'
?'
?' VOLTAGE (V) RIPPLE (mV)
?' *****
?' ('+TRIM(H->DC1)+')
?' ('+TRIM(H->DC2)+')
?' ('+TRIM(H->DC3)+')
?' ('+TRIM(H->DC4)+')
?' ('+TRIM(H->DC5)+')
?'
?'2. '+ Q1LV2
?'
?'3. '+ Q2LV2
?'
?'4. '+ Q3LV2
?'
?'5. '+ Q4LV2
?'
?'6. '+ Q5LV2
?'
?'7. '+ Q6LV2
?'
?'8. DESCRIBE ANY REMARKS !'
?'*****

```

D10

902

SKIP

(D03)

```

RES='N'
DO WHILE RES='N'
  ACCEPT 'ENTER THE NAME FOR JOB REPORT:' TO CNAM
  CNAM = UPPER(CNAM)
  GOTO TOP
  FIND &CNAM
  IF EOF()
    @24,0
    @24,0 SAY 'ENTER AGAIN THE CORRECT NAME'
    @X+1,0
    @X,0 SAY ' '
    RES='N'
  ELSE
    RES=' '
  ENDIF
  ENDDO
WK=0
OUT=' '
DO WEEKSEL
DO JOBPRINT
CLOSE DATABASES
SET PRINT OFF
P='ENTER 'N' FOR NEXT JOB LIST OR 'R' TO RETURN: '
DUMMY='AND'
W=23
AND=' '
DO WHILE .NOT. (UPPER(AND) $ 'NR')
  @W,00
  @W-1,77 SAY ' '
  WAIT "&P" TO AND
ENDDO
DO CNF
X=4
ENDDO
ELSE
  ? ' NO PERSONS ARE YET ENTERED FOR MAINTENANCE'
N=100
DO WHILE N<>0
  N=N-1
ENDDO
ENDIF
SET PRINT OFF
CLOSE DATABASES
RETURN
  
```

904
905

```

*PROGRAM NAME: WEEKSEL.PRG      Ref: 903
*28/02/86 KAERI,KOREA      CHUNG/AMP
*Select week to which report type 9 refers.
*
@24,0
RES='N'
DO WHILE RES='N'
  @X+3,0
  @X+2,0 SAY ' '
  INPUT 'ENTER THE WEEK NUMBER FOR THE REPORT(1 TO 52):' TO WK
  IF WK<=52.AND.WK>=1
    RES='Y'
  ELSE
    RES='N'
  ENDIF
  ENDDO
P='ENTER 'P' FOR PRINTING OR 'D' FOR DISPLAY: '
DUMMY='OUT'
W=10
OUT=' '
CLEAR
DO WHILE .NOT. (UPPER(OUT) $ 'PD')
  @W,0
  @W-1,0 SAY ' '
  WAIT "&P" TO OUT
ENDDO
DO CNF
IF UPPER(OUT)='P'
  SET PRINT ON
ELSE
  SET PRINT OFF
ENDIF
RETURN
  
```



```

#PROGRAM NAME: JOEPRINT.PRG      Ref: 904
#28/02/86  AMP/CHUNG
#Report type 5: jobs to be done in a selected week.
*
SET TALK OFF
IF OUT='P'
  SET PRINT ON
ENDIF
SELECT 6
WEEK=STR(WK)
CLEAR
SET MARGIN TO 0
? '-----'
? '          JOBS TO BE EXECUTED IN WEEK NUMBER: '+'&WEEK'
? '-----'
? '          PERSON PERFORMING LEVEL-2 JOB: '+'&CNAM'
? '-----'
? 'INSTRUMENT NAME      LOCATION      TIME UNITS  TAGNO      DATE      SIGNATURE'
? '*****'
JOB='N'
DO WHILE (.NOT. EOF()) .AND. (PM_PER_LV2=CNAM)
  IF LV2_1=WK. OR. LV2_2=WK. OR. LV2_3=WK. OR. LV2_4=WK. OR. LV2_5=WK. OR. LV2_6=WK
    TAG=STR(TAGNO)
    TU=STR(TU_LV2)
    NO=TAGNO
    SELECT 9
    USE JOEVAR
    APPEND BLANK
    REPLACE TEMPVAR WITH NO
    SELECT 5
    SEEK NO
    LOCATION=INST_LOC
    SELECT 6
    JOB='Y'
    IF JOB='Y'
      ?INST_NAME+LOCATION+TU+' '+'TAG
      SET PRINT OFF
    ENDIF
  ENDIF
ENDIF
SKIP
ENDDO
IF JOB='Y'
  SELECT 9
  GOTO TOP
DO WHILE .NOT. EOF()
  NO= TEMPVAR
  SKIP
  SELECT 7
  USE INSTINER INDEX TAGINST
  SEEK NO
  IF OUT='P'
    SET PRINT ON
  ENDIF

```

D06

D01

```

? '-----'
?
?
? 'SPECIAL TEST EQUIPMENT, PM PROCEDURES REF. AND QUESTION FORM FOR '+'STR(TAGNO)
? '-----'
?
? 'PERSON ACCOMPANYING FOR PM: '+' PARTNER
? 'LIST OF SPECIAL TEST EQUIPMENT: '+'SP_TST_EQP
? 'REFERENCE FOR PM PROCEDURE FOR TAGNO '+'STR(TAGNO)+' '+'PM_REF
SET PRINT OFF
ACCEPT 'WANT QUESTION FORM FOR TAGNO '+'STR(TAGNO)+' '(Y/N):' TO WANT
IF WANT = 'Y'
  REPT=' '
  ANGKA=NO
  IF OUT='P'
    SET PRINT ON
  ENDIF
DO QFORM
ENDIF
SELECT 9
ENDDO
DELE ALL
PACK
JOB='N'
ELSE
  ? '          NO LEVEL-2 JOBS THIS WEEK FOR '+' CNAM
  SET PRINT OFF
ENDIF
?
?
?
?
RETURN

```

902

```

*PROGRAM NAME: REPAIRHIS.PRG      Ref: 905
*24/06/86 AMP/VICHIEU (DAEP THAILAND)
*Prints out repair histories.
*
SET TALK OFF
CLEAR
USE HIS_REP INDEX TAGHIS
IF .NOT.EOF()
    USE
    AND = 'Y'
    DO WHILE AND = 'Y'
        CLEAR
        AND = ''
        ? 'FOLLOWING INSTRUMENTS HAVE REPAIR HISTORY'
        ?
        ? 'TAG NUMBER INSTRUMENT NAME'
        ?
        SELECT 1
        USE HIS_REP INDEX TAGHIS
        SELECT 2
        USE INSTINFR INDEX TAGINST
        SELECT 1
        GOTO TOP
        N=0
        DO WHILE .NOT. EOF()
            NOMOR=TAGNO
            DO WHILE (NOMOR=TAGNO).AND.(.NOT.EOF())
                SKIP
            ENDDO
            SELECT 2
            GOTO TOP
            SEEK NOMOR
            NO=STR(NOMOR)
            ? '&NO'+SPACE(5)+INST_NAME
            N=N+1
            IF N=15
                ?
                P='WANT MORE LIST(Y/N):'
                DUMMY='MORE'
                W=ROW()
                MORE=''
                DO WHILE .NOT.UPPER(MORE) $ 'YN'
                    @W,0
                    @W-1,0 SAY ' '
                    WAIT '&P' TO MORE
                ENDDO
                DO CNF
                IF MORE = 'N'
                    SELECT 1
                    GOTO BOTTOM
                ELSE
                    N=0
                    @4,0 CLEAR
                ENDF
            ENDF
        SELECT 1
    ENDDO

```

D12

D12

D01

```

?
INPUT 'ENTER THE TAG NUMBER FOR REPAIR HISTORY:' TO NOMOR
?
SELECT 1
GOTO TOP
SEEK NOMOR
IF EOF()
    ?
    ? 'ENTERED TAG NUMBER HAS NO REPAIR HISTORY'
    ?
    ELSE
        ?
        P=' ENTER 'P' FOR PRINT 'D' FOR DISP:'
        W=ROW()
        DUMMY='CHO'
        CHO=' '
        DO WHILE .NOT.UPPER(CHO) $ 'PD'
            @W,0
            @W-1,0 SAY ' '
            WAIT "&P" TO CHO
        ENDDO
        DO CNF
        IF CHO = 'P'
            SET PRINT ON
        ENDF
        SELECT 2
        GOTO TOP
        SEEK NOMOR
        CLEAR
        ? 'INSTRUMENT REPAIR HISTORY'
        ? '*****'
        ? 'INSTRUMENT NAME: '+TRIM(INST_NAME) + ' TAG NUMBER: '+STR(TAGNO)
        ?
        NEX = 'Y'
        REPNO=1
        SELECT 1
        DO WHILE (NEX = 'Y').AND.(NOMOR=TAGNO)
            NEX=' '
            @4,0 CLEAR
            IF CHO = 'P'
                SET PRINT ON
            ENDF
            S=SPACE(2)
            ? 'REPAIR NUMBER: '+STR(REPNO)
            ? 'DATE OF FAULT: '+DTC(FLT_DATE)
            ? 'CAUSE OF FAULT: '+CAUSE
            ? 'TYPE OF FAULT: '+FLT_TYPE
            ? 'MALFUNCTION TYPE 1: '+MALF1
            ? 'MALFUNCTION TYPE 2: '+MALF2
            ? 'MALFUNCTION TYPE 3: '+MALF3
            ? 'FAULT DAIGNOSIED BY: '+DIAG_MAN
            ? 'REPAIRED BY: '+REP_MAN
            ? 'SYSTEM CONDITION: '+SYS_COND
            ? 'PARTS REPLACED'
            ? 'PART NO PART NAME TYPE NO QTY'
            ? '1: ' +PART1_NO +S+NM_PART1 +S+MDL1+STR(QNTY1)
            ? '2: ' +PART2_NO +S+NM_PART2 +S+MDL2+STR(QNTY2)
            ? '3: ' +PART3_NO +S+NM_PART3 +S+MDL3+STR(QNTY3)
            ? '4: ' +PART4_NO +S+NM_PART4 +S+MDL4+STR(QNTY4)
            ?
        ENDDO

```

```

REPNO=REPNO+1
SKIP
SET PRINT OFF
IF CHO= 'P'
    NEX= 'Y'
ELSE
    P= 'WANT NEXT REPAIR HISTORY FOR THE SAME INSTRUMENT?(Y/N):'
    DUMMY= 'NEX'
    W=ROW()
    NEX= ' '
    DO WHILE .NOT. UPPER(NEX) $ 'YN'
        @W,0
        @W-1,72 SAY ' '
        WAIT '&P' TO NEX
    ENDDO
    DO CNF
ENDIF
ENDDO
ENDIF
?
P= 'WANT REPAIR HISTORY FOR ANOTHER INSTRUMENT?(Y/N):'
DUMMY= 'AND'
W=ROW()
AND= ' '
DO WHILE .NOT. UPPER(AND) $ 'YN'
    @W-1,0 CLEAR
    WAIT '&P' TO AND
ENDDO
DO CNF
CLOSE DATABASES
ENDDO
ELSE
    ?
    ? 'REPAIR HISTORY HAS NOT BEEN ENTERED FOR ANY INSTRUMENT.'
    CLOSE DATABASES
ENDIF
RETURN

```

```

*PROGRAM NAME: HISPMLV2.PRG      Ref: 906
*WIBOWD/CHUNG 04/03/86
*Reports maintenance history of a selected instrument.
*
SET TALK OFF
ANOTH= 'Y'
DO WHILE ANOTH= 'Y'
    CLEAR
    ? 'REPORT ON HISTORY OF PREVENTIF MAINTENANCE OF A SELECTED INSTRUMENT.'
    ?
    ?
    NOMOR=10000
    DO WHILE .NOT. (NOMOR<=9999)
        @ 5,0 CLEAR
        @ 4,0
        INPUT 'ENTER TAG NUMBER OF THE INSTRUMENT:' TO NOMOR
    ENDDO
    P= ' ' ENTER 'P' FOR PRINT OR 'D' FOR DISPLAY: '
    DUMMY= 'OUT'
    W=13
    OUT= ' '
    DO WHILE .NOT. (UPPER(OUT) $ 'PD')
        @W,0 CLEAR
        @W-1,0
        WAIT "&P" TO OUT
    ENDDO
    DO CNF
    IF UPPER(OUT) = 'P'
        SET PRINT ON
    ENDIF
    USE QSTLV2 INDEX TAGQST
    SEEK NOMOR
    IF (TAGNO=NOMOR) .AND. (.NOT. EOF())
        STORE Q1LV2 TO K1
        STORE Q2LV2 TO K2
        STORE Q3LV2 TO K3
        STORE Q4LV2 TO K4
        STORE Q5LV2 TO K5
        STORE Q6LV2 TO K6
        SELECT 1
        USE INSTINER INDEX TAGINST
        GOTO TOP
        SEEK NOMOR
        ONLY=1
        DO WHILE (TAGNO=NOMOR) .AND. (.NOT. EOF())
            CLEAR
            IF ONLY=1
                ? ' '
                ? ' PM HISTORY OF LEVEL - 2'
                ? '-----'
                ? ' '
                ? '* TAG NUMBER : '+STR(TAGNO,4)
                ? '* INSTRUMENT NAME : '+INST_NAME
                ? '* PERFORMED BY : '+PM_PER_LV2
            ENDIF
            ONLY=0
            SKIP
        ENDDO
        USE

```

(D10)

(D01)

(D11)

G00

```

USE EXELV2 INDEX TAGEXE
SEEK NOMOR
?
? DATE + VTG 1+ RPL 1+ VTG 2+ RPL 2+ VTG 3+ RPL 3+ VTG 4+ RPL 4
VTG 5+ RPL 5
?*****+*****+*****+*****+*****+*****+*****+*****+*****
*****+*****
DO WHILE (TAGNO=NOMOR).AND.(.NOT.EOF())
  STORE "DLOC(DATE)+ " +M1+STR(ANS1_1LV2,5,2)+ " +STR(ANS1_2LV2,3)+ " +M2+STR(ANS1_3L
.5,2)+ " +STR(ANS1_4LV2,3)+ " +M3+STR(ANS1_5LV2,5,2)+ " +STR(ANS1_6LV2,3)" TO FU1
  STORE " " +M4+STR(ANS1_7LV2,5,2)+ " +STR(ANS1_8LV2,3)+ " +M5+STR(ANS1_9LV2,5,2)+
+STR(ANS1_10LV2,3)" TO FU2
  ? &FU1+&FU2
  SKIP
ENDDO
?*****
? VTG = VOLTAGE (V), RPL = RIPPLE (mV)
?
?
GOTO TOP
SEEK NOMOR
? DATE + PAR1 + PAR2 + PAR3 + PAR4+ PAR5+ PAR6+ REI
KS
?*****+*****+*****+*****+*****+*****+*****+*****+*****
*****
DO WHILE (TAGNO=NOMOR).AND.(.NOT.EOF())
  ? DLOC(DATE)+ " +ANS2LV2+ " +ANS3LV2+ " +ANS4LV2+ " +ANS5LV2+ " + ANS6LV2+
+ANS7LV2+ " +ANS8LV2
  SKIP
ENDDO
?
? * PAR1 : +K1+??
? * PAR2 : +K2+??
? * PAR3 : +K3+??
? * PAR4 : +K4+??
? * PAR5 : +K5+??
? * PAR6 : +K6+??
?
?
?
?
ELSE
SET PRINT OFF
? QUESTIONS FOR THE INSTRUMENT DOES NOT EXIST IN THE SYSTEM
ENDIF
SET PRINT OFF
?
?
?
?
P= PM HISTORY FOR ANOTHER INSTRUMENT REQUIRED ?(Y/N):
DUMMY=ANOTH
W=23
ANOTH=
DO WHILE .NOT. (UPPER(ANOTH) $ 'YN')
  @W,0 CLEAR
  @W-1,0
  WAIT "&P" TO ANOTH
ENDDO
DO CNF
ENDDO ANOTH
CLOSE DATABASES
RETURN

```

```

*PROGRAM NAME: GRAPHIC.PRG
*CHANDIMA,SUDHARMA 17.12.85
*Menu: choose type of graph.
*
SET TALK OFF
CLEAR
MORE='Y'
DO WHILE UPPER(MORE)='Y'
  CLEAR
  R=1
  C=5
  @R,C SAY 'NO TYPE OF GRAPH'
  @R+1,C SAY '-----'
  @R+2,C SAY '1 TOTAL TIME FOR LEVEL-2 PER INSTRUMENT PER YEAR'
  @R+3,C SAY '2 TOTAL TIME FOR LEVEL-3 PER INSTRUMENT PER YEAR'
  @R+4,C SAY '3 NO.OF INSTRUMENTS IN EACH GROUP'
  @R+5,C SAY '4 YEARLY DISTRIBUTION OF WORK LOAD PER PERSON - FOR LV2'
  @R+6,C SAY '5 YEARLY DISTRIBUTION OF WORK LOAD PER PERSON - FOR LV3'
  @R+7,C SAY '6 WEEKLY LOAD OVER A YEAR FOR LEVEL 2 MAINTENANCE'
  @R+8,C SAY '7 WEEKLY LOAD OVER A YEAR FOR LEVEL 3 MAINTENANCE'
  @R+9,C SAY '8 INSTRUMENTS/WEEK FOR PERSON DOING LEVEL 2'
  @R+10,C SAY '9 NUMBER OF INSTRUMENTS PER LOCATION'
  @R+11,C SAY 'R RETURN TO THE MAINMENU'
  P=ENTER NUMBER AS REQUIRED GRAPH TYPE:
  DUMMY=GRA
  W=R+15
  GRA=
  DO WHILE .NOT. (UPPER(GRA) $ '123456789R')
    @W,0
    @W-1,C SAY '
    WAIT "&P" TO GRA
  ENDDO
  DO CNF
  DO CASE
    CASE GRA = '1'
      DO GRAPH
    CASE GRA = '2'
      DO GRAPH1
    CASE GRA = '3'
      DO NOINGR
    CASE GRA = '4'
      DO WKLDLV2
    CASE GRA = '5'
      DO WKLDLV3
    CASE GRA = '6'
      DO TOWKLDV2
    CASE GRA = '7'
      DO TOWKLDV3
    CASE GRA = '8'
      DO INWKPMF2
    CASE GRA = '9'
      DO NOINSLOC
    CASE GRA = 'R'
      RETURN
  ENDCASE
  CLOSE DATABASES

```

G01

G02

G07

G03

G04

G05

G06

G08

G09

```

@22,0 SAY ' '
WAIT 'PRESS Shift-PrtSc TO GET HARD COPY OR ANY KEY TO CONTINUE' TO DUMMY
CLEAR
P='WANT ANOTHER GRAPH?(Y/N):'
DUMMY='MORE'
W=22
MORE=' '
DO WHILE .NOT. (UPPER(MORE) $ 'YN')
  @W,0
  @W-1,0 SAY ' '
  WAIT "&P" TO MORE
ENDDO
DO CNF
ENDDO
RETURN

```

```

*PROGRAM NAME: GRAPH.PRG          Ref: G01
*ANISA BEGUM 23/11/85, CHUNG 25/02/86
*Graph 1: Time per instrument on Level 2.
*

```

```

CLEAR
USE SCHPMLV2
GOTO TOP
BIG=0
DO WHILE .NOT. (EOF())
  IF BIG < TOT_TU_LV2
    BIG=TOT_TU_LV2
  ENDIF
  SKIP
ENDDO
LEB=INT(BIG/3)
LEB=STR(LEB)
N=2
DO WHILE N<>20
  @N,05 SAY CHR(179)
  N=N+1
ENDDO
@20,5 SAY CHR(192)
M=6
DO WHILE M<>46
  @N,M SAY CHR(196)
  M=M+1
ENDDO
@22,18 SAY ' INSTRUMENT NUMBER'
@21,07 SAY '1 2 3 4 5 6 7 8 91011121314151617181920'
R=2
C=0
@R,C SAY 'T 3N'
@R+1,C SAY 'D'
@R+2,C SAY 'T'
@R+3,C SAY 'A'
@R+4,C SAY 'L'
@R+6,C SAY 'T 2N'
@R+7,C SAY 'U'
@R+9,C SAY 'F'
@R+10,C SAY 'D'
@R+11,C SAY 'R'
@R+12,C SAY '1N'
@R+13,C SAY 'L'
@R+14,C SAY 'V'
@R+15,C SAY '2'
@00,00 SAY '&LEB'+')'+ ' TOTAL TIME FOR LEVEL-2 PER INSTRUMENT PER YEAR'
@00,00 SAY ' (N ='
GOTO TOP
C=7
H=0
X=1
Y=46
INST=0
N=1
E=1
DO WHILE .NOT. EOF()
  DO WHILE (.NOT. (INST=20)).AND. (.NOT. EOF())
    F=19
    B=INT((TOT_TU_LV2*18)/BIG)
    @20,C SAY CHR(223)
    DO WHILE B<>0
      @F,C SAY CHR(219)
      F=F+1
      B=B-1
    
```

-88-

G01

```

A=STR(X)
D=STR(K)
@X,Y SAY '&D'+ ' '+INST_NAME
X=X+1
C=C+2
K=K+1
H=H+1
INST=INST+1
SKIP
IF EOF().OR.(INST=20)
IF .NOT. EOF()
@23,0 SAY '
WAIT 'PRESS Shift-PrtSc TO GET HARD COPY OR ANY KEY TO NEXT GRAPH' TO DUMMY
N=N+1
IF N=6
N=1
ENDIF
IF H>99
@22,50 'INSTRUMENTS DISPLAYED='+STR(H)
ENDIF
ENDIF
ENDIF
ENDIF
ENDDD
IF .NOT. EOF()
INST=0
C=7
X=1
Y=46
LN=19
@24,0
@1,50 CLEAR
Z=7
DO WHILE Z<>47
@20,Z SAY CHR(196)
Z=Z+1
ENDDD
DO CASE
CASE N=1
@21,6 SAY '1 2 3 4 5 6 7 8 91011121314151617181920'
K=1
CASE N=2
@21,06 SAY '2122232425262728293031323334353637383940'
K=21
CASE N=3
@21,06 SAY '4142434445464748495051525354555657585960'
K=41
CASE N=4
@21,06 SAY '6162636465666768697071727374757677787980'
K=61
CASE N=5
@21,06 SAY '81828384858687888990919293949596979899'
K=81
ENDCASE
DO WHILE LN<>0
@LN,7
LN=LN-1
ENDDD
ELSE
ENDIF
ENDDD
CLOSE DATABASES
RETURN

```

-89-

G02

```

*PROGRAM NAME: GRAPH1.PRG          Ref: G02
*ANISA BEGUM 23/11/85, CHUNG 25/02/86
*Graph 2: Time per instrument on Level 3.
*
CLEAR
USE SCHPMLV3
GOTO TOP
BIG=0
DO WHILE .NOT. (EOF())
IF BIG < TOT_TU_LV3
BIG=TOT_TU_LV3
ENDIF
SKIP
ENDDD
LEB=INT(BIG/3)
LEB=STR(LEB)
N=2
DO WHILE N<>20
@N,05 SAY CHR(179)
N=N+1
ENDDD
@20,5 SAY CHR(192)
M=6
DO WHILE M<>46
@N,M SAY CHR(196)
M=M+1
ENDDD
@22,18 SAY 'INSTRUMENT NUMBER'
@21,07 SAY '1 2 3 4 5 6 7 8 91011121314151617181920'
R=2
C=0
@R,C SAY 'T 3N'
@R+1,C SAY 'D'
@R+2,C SAY 'T'
@R+3,C SAY 'A'
@R+4,C SAY 'L'
@R+6,C SAY 'T 2N'
@R+7,C SAY 'U'
@R+9,C SAY 'F'
@R+10,C SAY 'D'
@R+11,C SAY 'R'
@R+12,C SAY 'IN'
@R+13,C SAY 'L'
@R+14,C SAY 'V'
@R+15,C SAY '3'
@00,00 SAY '&LEB+'+'+' TOTAL TIME FOR LEVEL-3 PER INSTRUMENT PER YEAR'
@00,00 SAY ' (N ='
GOTO TOP
C=7
H=0
X=1
Y=46
INST=0
N=1
K=1
DO WHILE .NOT. EOF()
DO WHILE (.NOT. (INST=20)).AND. (.NOT. EOF())
F=19
B=INT((TOT_TU_LV3*18)/BIG)
@20,C SAY CHR(223)

```

D04

G02

```

DO WHILE B<>0
  @F,C SAY CHR(219)
  F=F-1
  B=B-1
ENDDO
A=STR(X)
D=STR(K)
@X,Y SAY '&D*+' '+INST_NAME
X=X+1
C=C+2
K=K+1
H=H+1
INST=INST+1
SKIP
IF EOF().OR.(INST=20)
IF .NOT. EOF()
@23,0 SAY '
WAIT 'PRESS Shift-PrtSc TO GET HARD COPY OR ANY KEY TO NEXT GRAPH' TO DUMMY
N=N+1
IF N=6
  N=1
ENDIF
ENDIF
IF H>99
  @22,50 SAY 'PREVIOUSLY DISPLAYED INSTRUMENTS'+STR(H)
ENDIF
ENDIF
ENDIF
ENDDO
IF .NOT. EOF()
INST=0
C=7
X=1
Y=46
LN=19
@24,0
@1,50 CLEAR
Z=7
DO WHILE Z<>47
@20,Z SAY CHR(196)
Z=Z+1
ENDDO
DO CASE
CASE N=1
@21,6 SAY '1 2 3 4 5 6 7 8 91011121314151617181920'
K=1
CASE N=2
@21,06 SAY '2122232425262728293031323334353637383940'
K=21
CASE N=3
@21,06 SAY '4142434445464748495051525354555657585960'
K=41
CASE N=4
@21,06 SAY '6162636465666768697071727374757677787980'
K=61
CASE N=5
@21,06 SAY '81828384858687888990919293949596979899'
K=81
ENDCASE
DO WHILE LN<>0
  @LN,7
  LN=LN-1
ENDDO
ELSE
ENDIF
ENDDO
CLOSE DATABASES

```

-91-

G03

```

*PROGRAM NAME: WKLDLV2.PRG      Ref: G03
*27/12/85
*Graph 4: Yearly load per person, Level 2.
*
SET TALK OFF
CLEAR
@2,04 SAY 'PERSONS PERFORMING LEVEL 2 PREVENTIVE MAINTENANCE'
C=0
Y=10
X=4
SELECT 5
USE SCHPMLV2 INDEX PERSON
GOTO TOP
@X,Y SAY PM_PER_LV2
DUMMY=PM_PER_LV2
DO WHILE .NOT. EOF()
  IF DUMMY<>PM_PER_LV2
    X=X+1
  @X,Y SAY PM_PER_LV2
  DUMMY=PM_PER_LV2
  SKIP
  IF X=20
    WAIT 'PRESS ANY KEY TO CONTINUE LIST.' TO REST
    CLEAR
    X=4
  ENDIF
ELSE
  SKIP
ENDIF
ENDDO
PUBLIC CNAM
ACCEPT "ENTER THE NAME REQUIRED " TO CNAM
GOTO TOP
DO WHILE .NOT. EOF()
  IF PM_PER_LV2=CNAM
    CLEAR
    N=2
    DO WHILE N<>20
      @N,05 SAY CHR(179)
      N=N+1
    ENDDO
    @20,05 SAY CHR(192)
    M=6
    DO WHILE M<>59
      @N,M SAY CHR(196)
      M=M+1
    ENDDO
    @01,10 SAY 'WEEKLY LOAD FOR '+'&CNAM+' DOING LEVEL 2 MAINTENANCE'
    @22,25 SAY 'WEEK NUMBER'
    @21,05 SAY '1 5 10 15 20 25 30 35 40 45 50'
    R=2
    C=0
    @R+3,C SAY '450'
    @R+6,C SAY 'T'
    @R+7,C SAY '0'
    @R+8,C SAY 'T 300'
    @R+9,C SAY 'A'
    @R+10,C SAY 'L'
    @R+12,C SAY 'T'
    @R+13,C SAY 'I 150'
    @R+14,C SAY 'M'
    @R+15,C SAY 'E'

```

-92-

G03

```

T=0
I=1
F=19
C=5
DO WHILE I<>53
  C=C+1
  DO WHILE .NOT. EOF().AND.(PM_PER_LV2=CNAM)
    IF LV2_1=I
      T=T+TU_LV2
    ELSE
      IF LV2_2=I
        T=T+TU_LV2
      ELSE
        IF LV2_3=I
          T=T+TU_LV2
        ELSE
          IF LV2_4=I
            T=T+TU_LV2
          ELSE
            IF LV2_5=I
              T=T+TU_LV2
            ELSE
              IF LV2_6=I
                T=T+TU_LV2
              ENDIF
            ENDIF
          ENDIF
        ENDIF
      ENDIF
    ENDIF
  ENDIF
  SKIP
ENDDO
IF T=0
  @F,C SAY CHR(032)
ELSE
  @20,C SAY CHR(223)
  T=INT(T/30)
  DO WHILE T<>0
    @F,C SAY CHR(219)
    F=F-1
    T=T-1
  ENDDO
ENDIF
T=0
I=I+1
F=19
GO CRN
ENDDO
CLOSE DATABASES
RETURN
ELSE
ENDIF
SKIP
ENDDO
@22,0 SAY ' THE NAME ENTERED IS NOT IN THE FILE '
WAIT 'PRESS ANY KEY TO CONTINUE ' TO DUMMY
CLOSE DATABASES
RETURN

```

-93-

G04

```

*PROGRAM NAME: WKLDLV3.PRG          Ref: 604
*27/12/85 SUDARMA
*Graph 5, yearly load per person, Level 3.
*
SET TALK OFF
CLEAR
@2,04 SAY 'PERSONS PERFORMING LEVEL 3 PREVENTIVE MAINTENANCE'
C=0
Y=10
X=4
SELECT 5
USE SCHPMLV3 INDEX PERSONLV3
GOTO TOP
@X,Y SAY PM_PER_LV3
DUMMY=PM_PER_LV3
DO WHILE .NOT. EOF()
  IF DUMMY<>PM_PER_LV3
    X=X+1
    @X,Y SAY PM_PER_LV3
    DUMMY=PM_PER_LV3
    SKIP
    IF X=20
      WAIT 'PRESS ANY KEY TO CONTINUE LIST.' TO REST
      CLEAR
      X=4
    ENDIF
  ELSE
    SKIP
  ENDIF
ENDDO
PUBLIC CNAM
ACCEPT 'ENTER THE NAME REQUIRED ' TO CNAM
GOTO TOP
DO WHILE .NOT. EOF()
  IF PM_PER_LV3=CNAM
    CLEAR
    N=2
    DO WHILE N<>20
      @N,05 SAY CHR(179)
      N=N+1
    ENDDO
    @20,05 SAY CHR(192)
    M=6
    DO WHILE M<>59
      @N,M SAY CHR(196)
      M=M+1
    ENDDO
    @01,10 SAY 'WEEKLY LOAD FOR '+'&CNAM'+ ' DOING LEVEL 3 MAINTENANCE'
    @22,25 SAY 'WEEK NUMBER'
    @21,05 SAY ' 1   5   10   15   20   25   30   35   40   45   50'
    R=2
    C=0
    @R+3,C SAY ' 150'
    @R+6,C SAY 'T '
    @R+7,C SAY '0'
    @R+8,C SAY 'T 100'
    @R+9,C SAY 'A'
    @R+10,C SAY 'L'
    @R+12,C SAY 'T'
    @R+13,C SAY 'I 50'
    @R+14,C SAY 'M'

```

D04

-94-

G04

```

CRN=RECNO()
T=0
I=1
F=19
C=5
DO WHILE I<>53
  C=C+1
  DO WHILE .NOT. EOF().AND. (PM_PER_LV3=CNAM)
    IF LV3_1=1
      T=T+TU_LV3
    ELSE
      IF LV3_2=1
        T=T+TU_LV3
      ELSE
        IF LV3_3=1
          T=T+TU_LV3
        ELSE
          IF LV3_4=1
            T=T+TU_LV3
          ENDIF
        ENDIF
      ENDIF
    ENDIF
  SKIP
  ENDDO
  IF T=0
    @F,C SAY CHR(032)
  ELSE
    @20,C SAY CHR(223)
    T=INT(T/10)
    DO WHILE T<>0
      @F,C SAY CHR(219)
      F=F-1
      T=T-1
    ENDDO
  ENDDIF
  T=0
  I=I+1
  F=19
  GOTO CRN
ENDDO
CLOSE DATABASES
RETURN
ELSE
ENDIF
SKIP
ENDDO
@22,0 SAY 'THE NAME WRITTEN IS NOT IN THE FILE.'
WAIT 'PRESS ANY KEY TO CONTINUE' TO DUMMY
CLOSE DATABASES
RETURN

```

-95-

G05

```

PROGRAM NAME: TDWKL DV2.PRG
*27/12/85 SUDARMA,CHANDIMA
*Graph 6: Weekly load, Level 2.
*
SET TALK OFF
CLEAR
N=2
DO WHILE N<>20
  @N,05 SAY CHR(179)
  N=N+1
ENDDO
@20,05 SAY CHR(192)
M=6
DO WHILE M<>59
  @N,M SAY CHR(196)
  M=M+1
ENDDO
@01,10 SAY 'TOTAL WEEKLY LOAD OVER A YEAR FOR LEVEL 2 MAINTENANCE'
@22,25 SAY 'WEEK NUMBER'
@21,05 SAY ' 1   5   10  15  20  25  30  35  40  45  50'
R=2
C=0
@R+3,C SAY ' 150'
@R+6,C SAY 'T '
@R+7,C SAY '0'
@R+8,C SAY 'T 100'
@R+9,C SAY 'A'
@R+10,C SAY 'L'
@R+12,C SAY 'T'
@R+13,C SAY 'I 50'
@R+14,C SAY 'M'
@R+15,C SAY 'E'
I=0
C=5
USE SCHPMLV2 INDEX PERSON
DO WHILE I<>52
  GOTO TOP
  C=C+1
  I=I+1
  T=0
  F=19
  DO WHILE .NOT. EOF()
    IF LV2_1=1
      T=T+TU_LV2
    ENDIF
    IF LV2_2=1
      T=T+TU_LV2
    ENDIF
    IF LV2_3=1
      T=T+TU_LV2
    ENDIF
    IF LV2_4=1
      T=T+TU_LV2
    ENDIF
    IF LV2_5=1
      T=T+TU_LV2
    ENDIF
    IF LV2_6=1
      T=T+TU_LV2
    ENDIF
  SKIP
ENDDO

```

D03

-96-

G05

```
IF T=0
  @F,C SAY CHR(032)
ELSE
  @20,C SAY CHR(223)
  T=INT(T/10)
  DO WHILE T<>0
    @F,C SAY CHR(219)
    F=F-1
    T=T-1
  ENDDO
ENDIF
ENDDO
CLOSE DATABASES
RETURN
```

-97-

G06

```
#PROGRAM NAME: TDWKLDV3.PRG
#27/12/85 SUDARMA, CHANDIMA
#Graph 7: Weekly load, Level 3.
*
SET TALK OFF
CLEAR
N=2
DO WHILE N<>20
  @N,05 SAY CHR(179)
  N=N+1
ENDDO
@20,05 SAY CHR(192)
M=6
DO WHILE M<>59
  @N,M SAY CHR(196)
  M=M+1
ENDDO
@01,10 SAY 'TOTAL WEEKLY LOAD OVER A YEAR FOR LEVEL 3 MAINTENANCE'
@22,25 SAY 'WEEK NUMBER'
@21,05 SAY ' 1   5   10  15  20  25  30  35  40  45  50'
R=2
C=0
@R+3,C SAY ' 450'
@R+6,C SAY ' T '
@R+7,C SAY ' D '
@R+8,C SAY ' T 300'
@R+9,C SAY ' A '
@R+10,C SAY ' L '
@R+12,C SAY ' T '
@R+13,C SAY ' I 150'
@R+14,C SAY ' M '
@R+15,C SAY ' E '
I=0
C=5
USE SCHPMLV3 INDEX PERSONLV3
DO WHILE I<>52
  GOTO TOP
  C=C+1
  I=I+1
  T=0
  F=19
  DO WHILE .NOT. EOF()
    IF LV3_1=I
      T=T+TU_LV3
    ENDIF
    IF LV3_2=I
      T=T+TU_LV3
    ENDIF
    IF LV3_3=I
      T=T+TU_LV3
    ENDIF
    IF LV3_4=I
      T=T+TU_LV3
    ENDIF
    SKIP
  ENDDO
```

Ref: 606

D04

-98-

G06

-99-

G07

```
IF T=0
  @F,C SAY CHR(032)
ELSE
  @20,C SAY CHR(223)
  T=INT(T/30)
  DO WHILE T<>0
    @F,C SAY CHR(219)
    F=F-1
    T=T-1
  ENDDO
ENDIF
ENDDO
CLOSE DATABASES
RETURN
```

```
*PROGRAM NAME: NOINGR.PRG          Ref: G07
*THAILAND OAEF VICHIAN/AMP
*Graph 3: Number of instruments in each group.
*
SET TALK OFF
CLEAR
N=2
CLEAR
DO WHILE N<>20
  @N,06 SAY CHR(179)
  N=N+1
ENDDO
@20,06 SAY CHR(192)
M=7
DO WHILE M<>48
  @N,M SAY CHR(196)
  M=M+1
ENDDO
@22,18 SAY '  GROUP NUMBER'
@21,10 SAY '0  1  2  3  4  5  6  7  8  9'
R=2
C=0
@R,C SAY 'N'
@R+1,C SAY 'D.'
@R+3,C SAY 'D 3N-'
@R+4,C SAY 'F'
@R+6,C SAY 'I'
@R+7,C SAY 'N'
@R+8,C SAY 'S 2N-'
@R+9,C SAY 'T'
@R+10,C SAY 'R'
@R+11,C SAY 'U'
@R+12,C SAY 'M'
@R+13,C SAY 'E 1N-'
@R+14,C SAY 'N'
@R+15,C SAY 'T'
@R+16,C SAY 'S'
SELECT 1
USE PLCYMTRX
GOTO TOP
DO WHILE .NOT. EOF()
  SKIP
  SUM NEXT 09 NO_OF_INST,NOINSTDEL TO MSUM,DSUM WHILE .NOT. EOF()
  @0,0 SAY ' '
  MSUM=MSUM-DSUM
  SELECT 2
  USE JOBVAR INDEX JOBDX
  APPEND BLANK
  REPLACE TEMPVAR WITH MSUM
  SELECT 1
  SKIP
ENDDO
```

D14

D06

```

SELECT 2
GOTO BOTTOM
BIG=TEMPVAR
IF BIG <=15
  VFS=5
  BIG=15
ELSE
  IF BIG <=30
    VFS=10
    BIG=30
  ELSE
    IF BIG <=45
      VFS=15
      BIG=45
    ELSE
      IF BIG <=60
        VFS=20
        BIG=60
      ELSE
        IF BIG <=75
          VFS=25
          BIG=75
        ELSE
          IF BIG <=90
            VFS=30
            BIG=90
          ELSE
            IF BIG <=300
              VFS=100
              BIG=300
            ELSE
              IF BIG <=600
                VFS=200
                BIG=600
              ELSE
                VFS=330
                BIG=990
              ENDIF
            ENDIF
          ENDIF
        ENDIF
      ENDIF
    ENDIF
  ENDIF
ENDIF
ENDIF
ENDIF
ENDIF
ENDIF
ENDIF

```

```

LEB = STR(VFS)
@00,06 SAY '&LEB'+')'+ 'NO OF INSTRUMENTS PER GROUP'
@00,05 SAY ' (N='
USE
USE JOBVAR
GOTO TOP
C=6
Y=52
DO WHILE .NOT.EOF()
  F=19
  C=C+4
  MSUM=TEMPVAR
  IF MSUM=0
    @F,C SAY CHR(032)
  ELSE
    B=INT(MSUM*15/BIG)
    @20,C SAY CHR(223)
    DO WHILE B<>0
      @F,C SAY CHR(219)
      F=F-1
      B=B-1
    ENDDO
    IF (MSUM*15/BIG)-INT(MSUM*15/BIG)<>0
      @F,C SAY CHR(220)
    ENDIF
  ENDIF
  SKIP
ENDDO
SET INDEX TO JOBDEX
DELE ALL
PACK
@1,Y SAY '0. NUCLEAR SAFETY'
@3,Y SAY '1. PRESERVATION'
@5,Y SAY '2. STANDARDS'
@7,Y SAY '3. NUCLEAR INSTRUMENTS'
@9,Y SAY '4. RECORDERS'
@11,Y SAY '5. ANALYTICAL INSTRUMENTS'
@13,Y SAY '6. REPAIR INSTRUMENTS'
@15,Y SAY '7. AUXILIARY EQUIPMENT'
@17,Y SAY '8. NUCLEAR DETECTORS'
@19,Y-1 SAY '9. SPECIAL SYSTEM'
CLOSE DATABASES
RETURN

```

(D06)

-102-

G08

```
#PROGRAM NAME: INWKPM2.PRG      Ref: 608
#07/17/86 AMP/AZRI/DIN (UTN/MALAYSIA)
#Graph 8: Instruments per week per person, Level 2.
*
SET TALK OFF
CLEAR
SELECT 1
USE PMSTWKMX INDEX PMPERLV2
IF .NOT. EOF()
    R=3
    C=0
    @1,8 SAY 'NO MAINTENANCE PERSON NAME'
    @2,8 SAY '-----'
    NO=1
    GO TOP
    DO WHILE (.NOT. EOF()) .AND. (R<>23)
        NOS=STR(NO)
        @R,C SAY NOS + ' ' + PM_PER_LV2
        R=R+1
        NO=NO+1
        SKIP
    ENDDO
    NB=0
    DO WHILE (.NOT. (NB<=NO-1)) .OR. (NB=0)
        @23,0
        @22,0 SAY ' '
        INPUT 'ENTER THE CORRECT NO: ' TO NB
    ENDDO
    GO TOP
    DO WHILE NB<>1
        SKIP
        NB=NB-1
    ENDDO
    CNAM=TRIM(PM_PER_LV2)
    CLEAR
    N=2
    DO WHILE N<>20
        @N,05 SAY CHR(179)
        N=N+1
    ENDDO
    @20,05 SAY CHR(192)
    M=6
    DO WHILE M<>59
        @N,M SAY CHR(196)
        M=M+1
    ENDDO
```

D13

-103-

G08

```
@01,10 SAY 'INSTRUMENT/WEEK FOR '+'&CNAM+' DOING LEVEL 2 MAINTENANCE'
@22,25 SAY 'WEEK NUMBER'
@21,05 SAY ' 1  5  10  15  20  25  30  35  40  45  50'
R=2
C=0
@R+3,C SAY ' 15'
@R+6,C SAY 'T '
@R+7,C SAY '0'
@R+8,C SAY 'T 10'
@R+9,C SAY 'A'
@R+10,C SAY 'L'
@R+12,C SAY 'I'
@R+13,C SAY 'N 5'
@R+14,C SAY 'S'
@R+15,C SAY 'T'
SELECT 2
USE ARRAY INDEX ARRNO
GO TOP
T=0
F=19
C=6
DO WHILE .NOT. EOF()
    WKVAR=WK
    SELECT 1
    T=&WKVAR
    IF T=0
        @20,C SAY CHR(196)
    ELSE
        @20,C SAY CHR(223)
        DO WHILE T<>0
            @F,C SAY CHR(219)
            T=T-1
            F=F-1
        ENDDO
    ENDIF
    T=0
    F=19
    C=C+1
    SELECT 2
    SKIP
ENDDO
ELSE
    ? 'NO PERSONS HAVE BEEN ENTERED YET'
ENDIF
CLOSE DATABASES
RETURN
```

D15

-104-

G09

```
*PROGRAM NAME: NOINSLOC.PRG      Ref: 609
*AMP/AZRI/DIN (UTN, MALAYSIA) 07/26/88
*Graph 9: Instruments per location.
*
CLEAR
SET TALK OFF
USE UNLOCAT INDEX LOCATION
GOTO TOP
BIG=0
DO WHILE .NOT. (EOF())
  IF BIG < NO_OF_INST
    BIG=NO_OF_INST
  ENDIF
  SKIP
ENDDO
IF BIG<3
  BIG=3
ENDIF
LEB=INT(BIG/3)
BIG=LEB*3
LEB=STR(LEB)
N=2
DO WHILE N<>20
  @N,05 SAY CHR(179)
  N=N+1
ENDDO
@20,5 SAY CHR(192)
M=6
DO WHILE M<>46
  @N,M SAY CHR(196)
  M=M+1
ENDDO
@22,18 SAY ' LOCATION NUMBER'
@21,07 SAY '1 2 3 4 5 6 7 8 91011121314151617181920'
R=2
C=0
@R,C SAY 'T'
@R+1,C SAY 'O'
@R+2,C SAY 'T'
@R+3,C SAY 'A 3N'
@R+4,C SAY 'L'
@R+7,C SAY 'N'
@R+8,C SAY 'O 2N'
@R+10,C SAY 'O'
@R+11,C SAY 'F'
@R+13,C SAY 'I 1N'
@R+14,C SAY 'N'
@R+15,C SAY 'S'
@R+16,C SAY 'T'
@00,00 SAY '&LEB'+')'+ ' NUMBER OF INSTRUMENTS PER LOCATION'
@00,00 SAY ' (N ='
GOTO TOP
C=7
X=1
Y=46
LOC=0
N=1
K=1
```

Do9

-105-

G09

```
DO WHILE .NOT. EOF()
DO WHILE (.NOT. (LOC=20)).AND. (.NOT. EOF())
  F=19
  B=INT((NO_OF_INST*15)/BIG)
  R=((NO_OF_INST*15)/BIG)-B
  @20,C SAY CHR(223)
  DO WHILE B<>0
    @F,C SAY CHR(219)
    F=F-1
    B=B-1
  ENDDO
  IF R<>0
    @F,C SAY CHR(220)
  ENDIF
  A=STR(X)
  D=STR(K)
  @X,Y SAY '&D'+ ' '+INST_LOC
  X=X+1
  C=C+2
  K=K+1
  LOC=LOC+1
  SKIP
  IF EOF().OR. (LOC=20)
    IF .NOT. EOF()
      @23,0 SAY ' '
      WAIT 'PRESS Shift-PrtSc TO GET HARD COPY OR ANY KEY TO NEXT GRAPH TO DO'
      N=N+1
    ENDIF
  ENDDO
  IF .NOT. EOF()
    INST=0
    C=7
    X=1
    Y=46
    LN=19
    @24,0
    @1,50 CLEAR
    Z=7
    DO WHILE Z<>47
      @20,Z SAY CHR(196)
      Z=Z+1
    ENDDO
    DO CASE
      CASE N=2
        @21,06 SAY '2122232425262728293031323334353637383940'
        K=21
      CASE N=3
        @21,06 SAY '4142434445464748495051525354555657585960'
        K=41
      CASE N=4
        @21,06 SAY '6162636465666768697071727374757677787980'
        K=61
      CASE N=5
        @21,06 SAY '81828384858687888990919293949596979899'
        K=81
    ENDCASE
    DO WHILE LN<>0
      @LN,7
      LN=LN-1
    ENDDO
  ENDIF
ENDDO
```

```

*PROGRAM NAME: PMSUMMARY.PRG
*AMP/DEWITA 15 AUG 86
*Summary report of maintenance work.

```

Ref: S00

S00

```

*
SET TALK OFF
CLEAR
OUT=
R=1
C=4
DO PD
IF OUT='P'
SET PRINT ON
ENDIF
CLEAR
?'INSTRUMENTS AT VARIOUS LOCATIONS UNDER PM CARE.'
?'*****'
?'
?'LOCATION      NUMBER'
?'-----'
USE UNLOCAT INDEX LOCATION
GO TOP
IF EOF()
?'NO INSTRUMENTS UNDER PM CARE'
ELSE
JUMLAH=0
DO WHILE .NOT. EOF()
?'INST_LOC,NO_OF_INST
JUMLAH=JUMLAH+NO_OF_INST
SKIP
ENDDO
?'
?'TOTAL NUMBER OF INSTRUMENTS UNDER PM CARE =' +STR(JUMLAH)
ENDIF
USE
SELECT 1
USE PMSTWKM INDEX PMPERLV2
GO TOP
IF EOF()
TIME=0
?'NO PM PERSONS FOR LEVEL-2 JOB YET ENTERED'
ELSE
SELECT 2
USE SCHPMLV2 INDEX PERSON
GO TOP
?'
?'PERSONS DOING LEVEL-2 JOBS'
?'*****'
?'
?'NAME      NUMBER OF INSTRUMENTS'
?'-----'
SELECT 1
DO WHILE .NOT. EOF()
CNAME=PM_PER_LV2
SKIP
SELECT 2
GO TOP
FIND '&CNAME'
JUMLAH=0
TIME=0
DO WHILE CNAME=PM_PER_LV2.AND.(.NOT.EOF())
TIME=TIME+TOT_TU_LV2
JUMLAH=JUMLAH+1
SKIP
ENDDO

```

Do9

DI3

Do3

```

SELECT 1
ENDDO
CLOSE DATABASES
ENDIF
USE SCHPMLV3 INDEX PERSONLV3
GO TOP
IF EOF()
?'
TIME=TIME+0
?'NO PERSON FOR LEVEL-3 JOB ENTERED'
ELSE
?'
?'PERSONS DOING LEVEL-3 JOBS'
?'*****'
?'
?'NAME      NUMBER OF INSTRUMENT'
?'-----'
CNAME=PM_PER_LV3
JUMLAH=0
DO WHILE .NOT. EOF()
IF CNAME=PM_PER_LV3
JUMLAH=JUMLAH+1
TIME=TIME+TOT_TU_LV3
SKIP
ELSE
?'CNAME+STR(JUMLAH)
CNAME=PM_PER_LV3
JUMLAH=0
ENDIF
ENDDO
?'CNAME+STR(JUMLAH)
USE
?'
USE INSTINFR INDEX TAGINST
GO TOP
INST=0
LOVA=0
RPCS=0
DNM=0
DO WHILE .NOT. EOF()
LOVA=LOVA+TOT_LO_VAL
RPCS=RPCS+TOT_RP_CST
DNM=DNM+TOT_ON_TM
INST=INST+1
SKIP
ENDDO
USE
IF INST<>0
AVEDN=DNM/INST
ELSE
AVEDN=DNM
ENDIF
?'TOTAL TIME REQUIRED FOR PREVENTIVE MAINTENANCE =' +STR(TIME/10)+' HOURS'
?'
?'TOTAL LOST VALUE =' +STR(LOVA)
?'
?'TOTAL REPAIR COST =' +STR(RPCS)
?'
?'AVERAGE DOWN TIME/INSTRUMENT =' +STR(AVEDN)+' DAYS'
?'
?'
?'
?'
IF OUT='D'
WAIT 'PRESS ANY KEY FOR MAINMENU' TO XXX
ELSE
SET PRINT OFF
ENDIF
CLOSE DATABASES
RETURN

```

Do1

*PROGRAM NAME: INITIALISE.PRG Ref: 100
 *MORSHED U. CHOWDHURY/DIN/AZRI/07/18/86
 *Initialise (empty all databases).

```

*
SET TALK OFF
CLEAR
?*****
?*THIS PROGRAM PREPARES DISK FOR A FRESH DATA ENTRY. IT*
?*ERASES ALL ENTERED INFORMATION REGARDING THE INSTRUMENTS *
?*YOU WILL HAVE TO REENTER ALL INFORMATION AGAIN      *
?******
?
?
P=
DO YOU REALLY WANT TO INITIALISE ?(Y/N):
DUMMY='DUM'
W=ROW()
DUM=' '
DO WHILE .NOT.(UPPER(DUM) $ 'YN')
@W-1,0 CLEAR
WAIT "&P" TO DUM
ENDDO
DO CNF
IF DUM='Y'
P=
ARE YOU SURE ?(Y/N):
DUMMY='SURE'
?
?
W=ROW()+1
SURE=' '
DO WHILE .NOT.(UPPER(SURE) $ 'YN')
@W-1,0 CLEAR
WAIT "&P" TO SURE
ENDDO
DO CNF
ELSE
SURE='N'
ENDIF
IF DUM='Y'.AND. SURE='Y'
?
?
?
WAIT THE DISK IS PREPARED FOR FRESH DATA
USE INSTINFR INDEX TAGINST
DELE ALL
PACK
USE
USE INSTINFR
DELE ALL
PACK
USE
USE SCHPAR INDEX TAGSCH,PMLV2SCH
DELE ALL
PACK
USE
USE SCHPAR
DELE ALL
PACK
USE
USE PLCYMTX
GOTO TOP
ZERO=0
SKIP
  
```

D01

D01

D02

D02

D14

```

DO WHILE .NOT. EOF()
REPLACE NO_OF_INST WITH ZERO
REPLACE NOINSTDEL WITH ZERO
SKIP
ENDDO
USE SCHPMLV2
SET INDEX TO PERSON,TAGPMLV2
DELE ALL
PACK
USE
USE SCHPMLV3
SET INDEX TO PERSONLV3,TAGPMLV3
DELE ALL
PACK
USE
USE SCHPMLV2
DELE ALL
PACK
USE
USE SCHPMLV3
DELE ALL
PACK
USE
USE INSTDEL INDEX DELTAG
DELE ALL
PACK
USE QSTLV2 INDEX TAGQST
DELE ALL
PACK
USE
USE EXELV2 INDEX TAGEXE
DELE ALL
PACK
USE
USE EXELV2
DELE ALL
PACK
USE
USE QSTLV2
DELE ALL
PACK
USE
USE INSTDEL
DELE ALL
PACK
USE
USE PMSTWKM INDEX PMPERLV2
DELE ALL
PACK
USE
USE PMSTWKM
DELE ALL
PACK
USE
USE UNLOCAT INDEX LOCATION
DELE ALL
PACK
USE
USE UNLOCAT
DELE ALL
PACK
  
```

D03

D04

D03

D04

D05

D10

D11

D11

D10

D05

D13

D13

D09

D09


```

USE HIS REP INDEX TAGHIS
DELE ALL
PACK
USE
USE SPARESIN INDEX TAGSPARE, PART, TYPSPA
DELE ALL
PACK
USE
USE SPARESIN
DELE ALL
PACK
USE
USE SPACONBAL INDEX PARTCON
DELE ALL
PACK
USE
USE SPACONBAL
DELE ALL
PACK
USE
CLOSE DATABASES
CLEAR ALL
ENDIF
RETURN
    
```

(D12)

(D07)

(D07)

(D08)

(D08)

```

*PROGRAM NAME: CMPMPRINT.PRG      Ref: U01
*AMP/BENNY PAEC PHILIPPINES 04/25/86
*Prints file list in DOCUMENT (U02), then runs DOCUMENT.
*
SET TALK OFF
TYPE DOCUMENT.PRG TO PRINT
DO DOCUMENT
CLEAR ALL
RETURN
    
```

U02

```

*PROGRAM NAME: DOCUMENT.PRG      Ref: U02
*AMP/VICHIE/ANISA/CHUNG/BENNY/DEVITA/PHON/CHANDIMA, Vienna 30-10-85
*Prints all PRG files and fields of all DEF files.
*
    
```

U02

```

TYPE CMPM.PRG TO PRINT
TYPE MAINMENU.PRG TO PRINT
TYPE CNF.PRG TO PRINT
TYPE PD.PRG TO PRINT
TYPE ADDINST.PRG TO PRINT
TYPE NSMENU.PRG TO PRINT
TYPE PRMENU.PRG TO PRINT
TYPE STMENU.PRG TO PRINT
TYPE NIMENU.PRG TO PRINT
TYPE REMENU.PRG TO PRINT
TYPE AIMENU.PRG TO PRINT
TYPE RIMENU.PRG TO PRINT
TYPE AEMENU.PRG TO PRINT
TYPE NDMENU.PRG TO PRINT
TYPE SSMENU.PRG TO PRINT
TYPE POENTRY.PRG TO PRINT
TYPE RECTANGLE.PRG TO PRINT
TYPE CALTAG.PRG TO PRINT
TYPE UPDATE.PRG TO PRINT
TYPE SCHRESINS.PRG TO PRINT
TYPE LISSCHINS.PRG TO PRINT
TYPE RESCHEDULE.PRG TO PRINT
TYPE SCHEDULER.PRG TO PRINT
TYPE DICHSCHE.PRG TO PRINT
TYPE DIGRSCH.PRG TO PRINT
TYPE DILOSCHE.PRG TO PRINT
TYPE DIPMPESCHE.PRG TO PRINT
TYPE SHOWPMPE.PRG TO PRINT
TYPE EDEL.PRG TO PRINT
TYPE SEARCH.PRG TO PRINT
TYPE EDINSTINFR.PRG TO PRINT
TYPE DELINST.PRG TO PRINT
TYPE LOOKINFR.PRG TO PRINT
TYPE EDSCHPAR.PRG TO PRINT
TYPE ENEDQUFD.PRG TO PRINT
TYPE ENTXLV2.PRG TO PRINT
TYPE INREPAIR.PRG TO PRINT
TYPE CALLOST.PRG TO PRINT
TYPE INVENTORY.PRG TO PRINT
TYPE ENTSPA.PRG TO PRINT
TYPE SPAUP.PRG TO PRINT
TYPE SPAREP.PRG TO PRINT
TYPE SPASEA.PRG TO PRINT
TYPE INFSEARCH.PRG TO PRINT
TYPE KEYSEARCH.PRG TO PRINT
TYPE GENREP.PRG TO PRINT
TYPE QFORM.PRG TO PRINT
TYPE TREFS.PRG TO PRINT
    
```

```

TYPE WEEKSEL.PRG TO PRINT
TYPE JOBPRINT.PRG TO PRINT
TYPE REPAIRHIS.PRG TO PRINT
TYPE HISPMLV2.PRG TO PRINT
TYPE GRAPHIC.PRG TO PRINT
TYPE GRAPH.PRG TO PRINT
TYPE GRAPH1.PRG TO PRINT
TYPE WKLDLV2.PRG TO PRINT
TYPE WKLDLV3.PRG TO PRINT
TYPE TOWKLDV2.PRG TO PRINT
TYPE TOWKLDV3.PRG TO PRINT
TYPE NOINGR.PRG TO PRINT
TYPE INWKPMF2.PRG TO PRINT
TYPE NOINSLOC.PRG TO PRINT
TYPE PMSUMMARY.PRG TO PRINT
TYPE INITIALISE.PRG TO PRINT
USE INSTINFR
LIST STRU TO PRINT
USE
USE SCHPAR
LIST STRU TO PRINT
USE
USE SCHPMLV2
LIST STRU TO PRINT
USE
USE SCHPMLV3
LIST STRU TO PRINT
USE
USE INSTDEL
LIST STRU TO PRINT
USE
USE JOBVAR
LIST STRU TO PRINT
USE
USE SPARESINF
LIST STRU TO PRINT
USE
USE SPACONBAL
LIST STRU TO PRINT
USE
USE UNLOCAT
LIST STRU TO PRINT
USE
USE QSTLV2
LIST STRU TO PRINT
USE
USE EXELV2
LIST STRU TO PRINT
USE
USE HIS_REP
LIST STRU TO PRINT
USE
USE PMSTWKM
LIST STRU TO PRINT
USE
USE PLCYMTRX
LIST STRU TO PRINT
LIST TO PRINT
USE
USE ARRAY INDEX ARRND
LIST STRU TO PRINT

```

```

RESTORE FROM MESS
LIST MEMO TO PRINT
CLEAR ALL
CLEAR
SET PRINT ON
DIR *.PRG
CLEAR
DIR *.DBF
DIR *.NDX
DIR *.FRM
CLEAR
DIR *.MEM
DIR *.DBT
TYPE FILDIS.PRG TO PRINT
CLEAR ALL
RETURN

```

```

*PROGRAM NAME: FILDIS.PRG          Ref: U03
*04/07/86 AMP/VICHIEU (DAEP THAILAND)
*Prints status of DBF files and the status of the system.
*
SET TALK OFF
SELECT 1
USE INSTINFR INDEX TAGINST
SELECT 2
USE SCHPAR INDEX TAGSCH,PMLV2SCH
SELECT 3
USE SCHPMLV2 INDEX TAGPMLV2,PERSON
SELECT 4
USE SCHPMLV3 INDEX TAGPMLV3,PERSONLV3
*SELECT 5
*USE INSTDEL INDEX DELTAG
DISP STAT
CLEAR ALL
SELECT 1
USE JOBVAR INDEX JOBDEX
SELECT 2
USE SPARESINF INDEX TAGSPARE,PART,TYPSPA
SELECT 3
USE SPACONBAL INDEX PARTCON
SELECT 4
USE UNLOCAT INDEX LOCATION
SELECT 5
USE QSTLV2 INDEX TAGQST
SELECT 6
USE EXELV2 INDEX TAGEXE
DISP STAT
CLEAR ALL
SELECT 1
USE HIS_REP INDEX TAGHIS
SELECT 2
USE PLCYMTRX
SELECT 3
USE PMSTWKM INDEX PMPERLV2
SELECT 4
USE INSTDEL INDEX DELTAG
SELECT 5
USE ARRAY INDEX ARRND
DISP STAT
CLEAR ALL

```

U03

Structure for database: C:\INSTINFR.dbf
 Number of data records: 60
 Date of last update : 08/29/88

D01

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
2	INST_NAME	Character	20	
3	MODEL_NO	Character	10	
4	SERIAL_NO	Character	10	
5	INVT_NO	Character	10	
6	YR_MNFRC	Numeric	4	
7	MNFRC_NAME	Character	15	
8	ADDR_MNFRC	Character	35	
9	TLEX_MNFRC	Character	15	
10	MNFRC_PHON	Character	15	
11	SUPLR_NAME	Character	35	
12	ADDR_SUPLR	Character	35	
13	SUPLR_PHON	Character	15	
14	PRICE_FC	Character	10	
15	PRICE_LOC	Numeric	10	
16	DT_ARRVL	Date	8	
17	DT_COMMIS	Date	8	
18	END_WARNTY	Date	8	
19	RFIR_CONTR	Character	20	
20	RFIR_PHON	Character	10	
21	INST_LOC	Character	15	
22	MAIN_USER	Character	25	
23	MAIN_OPTR	Character	25	
24	USER_PHON	Character	10	
25	OPRT_MANL	Logical	1	
26	SRVC_MANL	Logical	1	
27	CKT_DIAG	Logical	1	
28	MANL_LOC	Character	15	
29	PARTS_LIST	Logical	1	
30	ACCRS	Character	25	
31	WATT_VA	Character	6	
32	OPRT_VOLT	Character	12	
33	RH	Character	12	
34	TEMP	Character	12	
35	STBLR_USED	Character	12	
36	DOR_CAP	Character	12	
37	PM_HEAD	Character	20	
38	PMHEADPHON	Character	10	
39	SP_TST_EQP	Character	20	
40	SPARE_AVIL	Logical	1	
41	PM_PER_LV2	Character	25	
42	PM_PER_LV3	Character	25	
43	CAL_VALU	Numeric	10	
44	REAL_VALU	Numeric	10	
45	CVAL_UP_YR	Numeric	4	
46	RVAL_UP_YR	Numeric	4	
47	PERIPHERAL	Character	25	
48	PM_REF	Character	25	
49	PARTNER	Character	25	
50	TOT_LO_VAL	Numeric	10	
51	TOT_RF_CST	Numeric	10	
52	TOT_ON_TM	Numeric	10	
53	INS_UND_RE	Logical	1	
** Total **			718	

Structure for database: C:\SCHPAR.dbf

Number of data records: 60
 Date of last update : 08/29/88

D02

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
2	INST_LOC	Character	15	
3	PM_PER_LV2	Character	25	
4	PM_PER_LV3	Character	25	
5	INST_PRIOR	Logical	1	
6	SCHEDULE	Logical	1	
7	Q_FACTOR	Numeric	1	
8	INST_NAME	Character	20	
9	SKI_EXP_FA	Numeric	1	
** Total **			94	

Structure for database: C:\SCHPMLV2.dbf

Number of data records: 0
 Date of last update : 08/29/88

D03

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
2	LV2_1	Numeric	2	
3	LV2_2	Numeric	2	
4	LV2_3	Numeric	2	
5	LV2_4	Numeric	2	
6	LV2_5	Numeric	2	
7	LV2_6	Numeric	2	
8	LV2_M	Numeric	2	
9	LV2_BW	Numeric	2	
10	LV2_W	Numeric	2	
11	LV2_D	Numeric	2	
12	NO_OF_LV2	Numeric	2	
13	TOT_TU_LV2	Numeric	4	
14	TU_LV2	Numeric	3	
15	INST_NAME	Character	20	
16	PM_PER_LV2	Character	25	
** Total **			79	

Structure for database: C:\SCHPMLV3.dbf

Number of data records: 0
 Date of last update : 08/29/88

D04

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
2	LV3_1	Numeric	2	
3	LV3_2	Numeric	2	
4	LV3_3	Numeric	2	
5	LV3_4	Numeric	2	
6	LV3_M	Numeric	2	
7	TU_LV3	Numeric	2	
8	TOT_TU_LV3	Numeric	4	
9	NO_OF_LV3	Numeric	2	
10	INST_NAME	Character	20	
11	PM_PER_LV3	Character	25	
** Total **			68	

Structure for database: C:\INSTDEL.dbf

Number of data records: 2
 Date of last update : 08/29/88

D05

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
** Total **			5	

Structure for database: C:\JOBVAR.dbf

Number of data records: 0

Date of last update : 09/17/86

Field	Field Name	Type	Width	Dec
1	TEMPVAR	Numeric	4	
** Total **			5	

D06

Structure for database: C:\SPARESIN.dbf

Number of data records: 0

Date of last update : 08/29/88

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
2	PART_NO	Character	20	
3	PART_NAME	Character	20	
4	TYPE_NO	Character	15	
5	QTY	Numeric	2	
6	LAST_BAL	Numeric	2	
** Total **			64	

D07

Structure for database: C:\SPACONBA.dbf

Number of data records: 0

Date of last update : 08/29/88

Field	Field Name	Type	Width	Dec
1	PART_NO	Character	20	
2	USER	Character	25	
3	QTY_USED	Numeric	2	
4	BALANCE	Numeric	2	
5	DT_OF_USE	Date	8	
6	TAGNO	Numeric	4	
7	GEST_STOCK	Logical	1	
8	TYPE_NO	Character	15	
9	OUT_STOCK	Numeric	2	
10	OWN_STOCK	Logical	1	
** Total **			81	

D08

Structure for database: C:\UNLOCAT.dbf

Number of data records: 3

Date of last update : 08/29/88

Field	Field Name	Type	Width	Dec
1	INST_LOC	Character	15	
2	NO_OF_INST	Numeric	3	
** Total **			19	

D09

Structure for database: C:\QSTLV2.dbf

Number of data records: 0

Date of last update : 08/29/88

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
2	Q1LV2	Character	50	
3	Q2LV2	Character	50	
4	Q3LV2	Character	50	
5	Q4LV2	Character	50	
6	Q5LV2	Character	50	
7	Q6LV2	Character	50	
8	DC1	Character	6	
9	DC2	Character	6	
10	DC3	Character	6	
11	DC4	Character	6	
12	DC5	Character	6	
** Total **			335	

D10

Structure for database: C:\exlv2.dbf

Number of data records: 6

Date of last update : 04/23/87

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
2	DATE	Date	8	
3	PM_PER_LV2	Character	25	
4	ANS1_1LV2	Numeric	5	2
5	ANS1_2LV2	Numeric	3	
6	ANS1_3LV2	Numeric	5	2
7	ANS1_4LV2	Numeric	3	
8	ANS1_5LV2	Numeric	5	2
9	ANS1_6LV2	Numeric	3	
10	ANS1_7LV2	Numeric	5	2
11	ANS1_8LV2	Numeric	3	
12	ANS1_9LV2	Numeric	5	2
13	ANS1_10LV2	Numeric	3	
14	ANS2LV2	Character	10	
15	ANS3LV2	Character	10	
16	ANS4LV2	Character	10	
17	ANS5LV2	Character	1	
18	ANS6LV2	Character	1	
19	ANS7LV2	Character	1	
20	ANS8LV2	Character	20	
21	M1	Character	1	
22	M2	Character	1	
23	M3	Character	1	
24	M4	Character	1	
25	M5	Character	1	
** Total **			136	

D11

Structure for database: C:\his_rep.dbf

Number of data records: 5

Date of last update : 08/29/88

Field	Field Name	Type	Width	Dec
1	TAGNO	Numeric	4	
2	FLT_DATE	Date	8	
3	FLT_RP_DT	Date	8	
4	CAUSE	Character	30	
5	FLT_TYPE	Character	30	
6	MALF1	Character	20	
7	MALF2	Character	20	
8	MALF3	Character	20	
9	DIAG_MAN	Character	25	
10	DIA_MN_HR	Numeric	3	
11	WAGE_HR1	Numeric	5	
12	DIAG_COST	Numeric	8	
13	REP_MAN	Character	25	
14	REP_MN_HR	Numeric	3	
15	WAGE_HR2	Numeric	5	
16	REP_COST	Numeric	8	
17	NM_PART1	Character	20	
18	MDL1	Character	15	
19	QNTY1	Numeric	3	
20	NM_PART2	Character	20	
21	MDL2	Character	15	
22	QNTY2	Numeric	3	
23	NM_PART3	Character	20	
24	MDL3	Character	15	
25	QNTY3	Numeric	3	
26	NM_PART4	Character	20	
27	MDL4	Character	15	
28	QNTY4	Numeric	3	
29	TM_GET_FT	Numeric	3	
30	TOT_PT_CST	Numeric	8	
31	SYS_COND	Character	30	
32	WHY_DLY	Character	30	
33	REMARKS	Character	40	
34	DIA_DATE	Date	8	
35	END_DATE	Date	8	
36	PART1_NO	Character	10	
37	PART2_NO	Character	10	
38	PART3_NO	Character	10	
39	PART4_NO	Character	10	
40	END_DIA_DT	Date	8	
41	STA_REP_DT	Date	8	
42	END_REP_DT	Date	8	
43	QC_CHE_BY	Character	25	
44	OVERHEAD	Numeric	3	
45	COST1	Numeric	10	
46	COST2	Numeric	10	
47	COST3	Numeric	10	
48	COST4	Numeric	10	
49	OVE_HEA_CD	Numeric	10	
50	LA_RP_CST	Numeric	10	
51	LOST_VALU	Numeric	10	
52	LA_ON_TM	Numeric	10	
** Total **			674	

D12

Structure for database: C:\pmstwmkx.dbf

Number of data records: 5

Date of last update : 08/29/88

Field	Field Name	Type	Width	Dec
1	PM_PER_LV2	Character	25	
2	STRTWEEK	Numeric	2	
3	MAX_INS_WK	Numeric	1	
4	WK1	Numeric	1	
5	WK2	Numeric	1	
6	WK3	Numeric	1	
7	WK4	Numeric	1	
8	WK5	Numeric	1	
9	WK6	Numeric	1	
10	WK7	Numeric	1	
11	WK8	Numeric	1	
12	WK9	Numeric	1	
13	WK10	Numeric	1	
14	WK11	Numeric	1	
15	WK12	Numeric	1	
16	WK13	Numeric	1	
17	WK14	Numeric	1	
18	WK15	Numeric	1	
19	WK16	Numeric	1	
20	WK17	Numeric	1	
21	WK18	Numeric	1	
22	WK19	Numeric	1	
23	WK20	Numeric	1	
24	WK21	Numeric	1	
25	WK22	Numeric	1	
26	WK23	Numeric	1	
27	WK24	Numeric	1	
28	WK25	Numeric	1	
29	WK26	Numeric	1	
30	WK27	Numeric	1	
31	WK28	Numeric	1	
32	WK29	Numeric	1	
33	WK30	Numeric	1	
34	WK31	Numeric	1	
35	WK32	Numeric	1	
36	WK33	Numeric	1	
37	WK34	Numeric	1	
38	WK35	Numeric	1	
39	WK36	Numeric	1	
40	WK37	Numeric	1	
41	WK38	Numeric	1	
42	WK39	Numeric	1	
43	WK40	Numeric	1	
44	WK41	Numeric	1	
45	WK42	Numeric	1	
46	WK43	Numeric	1	
47	WK44	Numeric	1	
48	WK45	Numeric	1	
49	WK46	Numeric	1	
50	WK47	Numeric	1	
51	WK48	Numeric	1	
52	SLIDE	Numeric	2	
53	WK49	Numeric	1	
54	WK50	Numeric	1	
55	WK51	Numeric	1	
56	WK52	Numeric	1	
** Total **			83	

D13

Structure for database: C:\pcc\mtr\tr.dbf

Number of data records: 100

Date of last update : 08/29/88

Field Field Name Type Width Dec

Field	Field Name	Type	Width	Dec
1	EXP_SER_YR	Numeric	2	
2	PM_SCH_NO	Numeric	2	
3	TU_LV1	Numeric	2	
4	TU_LV2	Numeric	2	
5	TU_LV3	Numeric	2	
6	NO_OF_INST	Numeric	2	
7	ROW_NO	Numeric	2	
8	NOINSTDEL	Numeric	2	

** Total ** 17

D14

Multiplexed field names for
Records 01, 11, 21, 31, 41, etc

Record#	INTV1	INTV2	INTV3	TU_LV1	TU_LV2	TU_LV3	NO_OF_INST	ROW_NO	NOINSTDEL
1	12	24	48	4	1		0	0	0
2	16	8	5	25	80		1	1	0
3	8	7	1	5	10		0	2	0
4	10	9	5	5	10		5	3	0
5	8	6	1	10	10		2	4	0
6	8	9	5	10	10		1	5	0
7	10	7	10	20	40		3	6	0
8	6	4	5	20	40		1	7	0
9	12	8	5	10	40		1	8	0
10	16	3	1	5	5		0	9	0
11	8	24	48	1	0		0	10	0
12	16	7	1	5	10		0	11	0
13	18	7	1	5	20		1	12	0
14	10	7	1	5	15		0	13	0
15	10	7	1	5	10		0	14	0
16	12	3	3	5	20		0	15	0
17	18	3	5	20	30		0	16	0
18	18	7	1	5	10		0	17	0
19	12	7	10	20	80		0	18	0
20	14	3	1	5	5		0	19	0
21	4	24	48	2	0		0	20	0
22	6	3	1	2	3		0	21	0
23	8	7	1	5	40		0	22	0
24	10	7	3	20	20		1	23	1
25	14	4	5	5	80		0	24	0
26	14	4	1	5	20		0	25	0
27	14	4	5	5	80		0	26	0
28	14	4	1	5	40		0	27	0
29	10	2	2	10	10		0	28	0
30	10	2	2	10	10		1	29	0
31	4	12	48	2	0		0	30	0
32	12	3	1	10	20		1	31	0
33	12	3	1	10	20		2	32	0
34	12	3	1	10	10		1	33	0
35	12	2	5	10	10		0	34	0
36	10	5	5	10	20		3	35	1
37	10	5	5	20	40		0	36	0
38	8	5	10	20	60		0	37	0
39	14	5	1	5	20		1	38	0
40	14	5	1	5	20		1	39	0
41	4	8	48	2	0		0	40	0
42	10	3	1	5	10		0	41	0
43	10	3	5	10	20		0	42	0
44	16	1	5	20	30		2	43	0
45	16	1	2	5	10		0	44	0
46	10	1	1	5	10		0	45	0

Record	INTV1	INTV2	INTV3	TU_LV1	TU_LV2	TU_LV3	NO_OF_INST	ROW_NO	NOINSTDEL
47	10	2	5	10	20		0	46	0
48	16	2	5	10	10		0	47	0
49	12	2	10	10	10		0	48	0
50	12	2	10	10	10		0	49	0
51	1	12	48	3	0		0	50	0
52	12	3	5	30	20		2	51	0
53	12	7	10	30	60		1	52	0
54	12	7	5	20	40		1	53	0
55	12	5	5	10	40		0	54	0
56	12	5	5	10	40		0	55	0
57	12	7	10	20	60		0	56	0
58	12	7	10	20	60		1	57	0
59	12	5	10	20	60		0	58	0
60	12	5	10	20	60		4	59	0
61	1	8	48	1	0		0	60	0
62	18	4	1	5	10		2	61	0
63	14	1	5	10	30		1	62	0
64	12	1	2	10	30		2	63	0
65	14	1	2	20	30		0	64	0
66	18	1	5	10	30		1	65	0
67	14	1	5	15	5		0	66	0
68	14	4	5	10	5		1	67	0
69	14	2	5	20	5		0	68	0
70	14	2	5	20	5		1	69	0
71	1	8	48	1	0		0	70	0
72	16	1	5	10	10		0	71	0
73	16	3	1	5	5		0	72	0
74	16	4	1	10	20		1	73	0
75	10	3	5	5	20		1	74	0
76	14	2	5	10	30		1	75	0
77	16	10	10	20	40		0	76	0
78	18	2	5	10	20		0	77	0
79	18	2	5	10	20		2	78	0
80	18	1	5	10	20		6	79	0
81	1	8	24	1	0		0	80	0
82	16	1	1	20	10		1	81	0
83	8	1	5	20	20		0	82	0
84	6	1	5	15	5		0	83	0
85	12	2	10	10	40		1	84	0
86	10	4	5	20	10		0	85	0
87	10	4	5	20	10		0	86	0
88	10	4	5	20	10		2	87	0
89	10	4	5	20	10		0	88	0
90	10	4	5	20	10		0	89	0
91	1	8	24	5	0		0	90	0
92	16	10	50	40	99		0	91	0
93	10	10	50	60	80		0	92	0
94	12	10	25	20	60		2	93	0
95	10	9	5	10	20		0	94	0
96	10	7	5	20	80		0	95	0
97	10	9	25	20	60		0	96	0
98	8	9	59	30	80		0	97	0
99	12	10	25	20	60		0	98	0
100	12	10	7	20	60		0	99	0

Structure for database: Ciarray.dbf
 Number of data records: 52
 Date of last update : 07/29/86
 Field Field Name Type Width Dec
 1 NO Numeric 2
 2 WK Character 4
 3 LV2S Character 5
 ** Total ** 12

D15

Record# NO WK LV2S
 1 1 WK1 LV2_1
 2 2 WK2 LV2_2
 3 3 WK3 LV2_3
 4 4 WK4 LV2_4
 5 5 WK5 LV2_5
 6 6 WK6 LV2_6
 7 7 WK7
 8 8 WK8
 9 9 WK9
 10 10 WK10
 11 11 WK11
 12 12 WK12
 13 13 WK13
 14 14 WK14
 15 15 WK15
 16 16 WK16
 17 17 WK17
 18 18 WK18
 19 19 WK19
 20 20 WK20
 21 21 WK21
 22 22 WK22
 23 23 WK23
 24 24 WK24
 25 25 WK25
 26 26 WK26
 27 27 WK27
 28 28 WK28
 29 29 WK29
 30 30 WK30
 31 31 WK31
 32 32 WK32
 33 33 WK33
 34 34 WK34
 35 35 WK35
 36 36 WK36
 37 37 WK37
 38 38 WK38
 39 39 WK39
 40 40 WK40
 41 41 WK41
 42 42 WK42
 43 43 WK43
 44 44 WK44
 45 45 WK45
 46 46 WK46
 47 47 WK47
 48 48 WK48
 49 49 WK49
 50 50 WK50
 51 51 WK51
 52 52 WK52

LOADLV2.FRM LOADLV3.FRM

3980 bytes in 2 files.

EXELV2.DBF

MSG.MEM

1565 bytes in 1 files. 303 bytes in 1 files.

HEAD	priv	C	"	NUMBER	INSTRUMENT NAME"	C:\temp.prg
LINE	priv	C	"			C:\temp.prg
ENTMSG	priv	C	"	ENTER NUMBER OF THE INSTRUMENT :	"	C:\temp.prg
INSEL	priv	C	"0"			C:\temp.prg
TAGTENS	priv	N		0 (	0.00000000)	C:\temp.prg
SEARCH	priv	C	"N"			C:\temp.prg

6 variables defined, 116 bytes used
 250 variables available, 5884 bytes available

(contents of MSG.MEM)

CMFM.PRG	CMFMFRIN.PRG	MAINMENU.PRG	FILDIS.PRG
NDMENU.PRG	RIMENU.PRG	DOCUMENT.PRG	CM.PRG
ADDINST.PRG	TEMP.PRG	FD.PRG	REMENU.PRG
PRMENU.PRG	STMENU.PRG	AIMENU.PRG	AEMENU.PRG
SCHRESIN.PRG	NIMENU.PRG	TOWKLDV2.PRG	CNF.PRG
NSMENU.PRG	SSMENU.PRG	POSENTRY.PRG	RECTANGL.PRG
CALTAG.PRG	UPDATE.PRG	LISSCHIN.PRG	RESCHEDU.PRG
SCHEDULE.PRG	DICHSCHE.PRG	DIGRSCH.PRG	DILOSCH.PRG
DIPMFESC.PRG	SHOWPMPE.PRG	EDDEL.PRG	SEARCH.PRG
EDINSTIN.PRG	DELINST.PRG	LOOKINFR.PRG	EDSCHPAR.PRG
ENEDQUFD.PRG	ENTEXLV2.PRG	INREPAIR.PRG	CALLOST.PRG
INVENTOR.PRG	ENTSPA.PRG	SPAUP.PRG	SPAREP.PRG
SPASEA.PRG	INFSEARC.PRG	KEYSEARC.PRG	GENREP.PRG
QFORM.PRG	JOBREP.PRG	WEEKSEL.PRG	JOBPRINT.PRG
REPAIRHI.PRG	HISPLV2.PRG	GRAPHIC.PRG	GRAPH.PRG
GRAPHI.PRG	WKLDLV2.PRG	WKLDLV3.PRG	TOWKLDV3.PRG
NOINGR.PRG	INWKPMF2.PRG	NOINSLOC.PRG	PMSUMMAR.PRG
INITIALI.PRG			

133288 bytes in 69 files.

ARRAY.DBF	FLDNAME.DBF	HIS_REP.DBF	INSTDEL.DBF
INSTINFR.DBF	JOBVAR.DBF	PLCYMTRX.DBF	PMSTWKM.DBF
QSTLV2.DBF	SCHPAR.DBF	SCHPMLV2.DBF	SCHPMLV3.DBF
SPACONBA.DBF	SPARESIN.DBF	UNLOCAT.DBF	EXELV2.DBF

84635 bytes in 16 files.

ARRNO.NDX	DELTA.NDX	JOBDEX.NDX	LOCATION.NDX
PART.NDX	PARTCON.NDX	PERSON.NDX	PERSONLV.NDX
PMLV2SCH.NDX	PMFERLV2.NDX	TAGEXE.NDX	TAGHIS.NDX
TAGINST.NDX	TAGPMLV2.NDX	TAGPMLV3.NDX	TAGQST.NDX
TAGSCH.NDX	TAGSPARE.NDX	TYPSPA.NDX	

