Producer

STUDIO TC4
TELEVISION CENTRE

MAKING THE MOST OF THE MICRO LIVE

CAMERA SCRIPT

Rehearsal
Saturday 1st October 1983

LIVE TRANSMISSION
SUNDAY 2ND OCTOBER 1983

Programme No: 1/EFE/C677X

PRODUCER ..... DAVID ALLEN
DIRECTOR ..... PATRICK TITLEY
ASSISTANT ..... SUSAN UNDERWOOD
VISION MIXERS ..... SUE BRINCAT
PRISCILLA HOADLEY
FLOOR MANAGER ..... BARBARA SIMONIN
FLOOR ASSISTANT ..... PAULINE BRAND
DESIGNER ..... PAUL HAINES
MAKE-UP .....CHRISTINA BAKER
T.M. ..... TONY BATE
T.M.* ..... PETER SMEE
S.S. ..... ALAN MACHIN
CREW 12

TAKING PART

Ian McNaught-Davis
John Coll
Kenneth Baker MP
Ian Trackman
Richard Fothergill
Dave Ellis
John Vince
Lawson Brown

SCHEDULE:

Saturday 1st October:

Line up (Cam. 6 Ikkigami only) 1000-1030
Reh.insert for Saturday Superstore 1030-1045
TX: INSERT FOR SATURDAY SUPERSTORE ..... 1045-1055 (approx)
Reh/Rec. Opening ex. Studio 4
(with VT4 and TK45) 1100-1120
Reh/Rec. Gallery sequence 1120-1200
Rehearse Main Demos 1200-1300
LUNCH 1300-1400
Rehearse and stagger through 1430-1800
DINNER 1800-1900
Complete dry run 1900-2100

Sunday 2nd October

LINE-UP 0900-1000
Rehearse 1000-1100
TRANSMISSION 1100-1255

USEFUL NUMBERS

TC4 Gallery - 5841
Main Reception - 3984
Paul Haines - 7406
Catering - 2872
Autocue - 870-0104
Autocue - 3372
GO81 - 8544
1257 - 8837
1258 - 8838
Bridge Lounge - 4019
VT Control - 4050/1
TK Control - 3331
Film Traffic - 4450
Taxis - 1991
567-4773
Presentation Desk: 3711/2
House Manager - 4600
House Foreman - 4032

Dressing Rooms

102 - Ian McNaught-Davis
103 - John Coll

135 - Ian Trackman
Richard Fothergill

134 - Lawson Brown
John Vince
David Ellis

101 - Kenneth Baker

145 - Audience Ladies

146 - Audience Men

Gallery Team: (X 5481)

David Allen
Patrick Titley
Susan Underwood
Jane Freeth

Producer's Room

Cathy Robins
Mike Cocker

Studio Floor (with audience)

Vivien Marles
Sheila Millington

Studio Floor (with machinery)
Steve Lowry
Robin Mudge

Conf.Room G081 (phone-in) (X8544)
Richard Wilson
Mike Summerwell
Peter Collings Wells
Mike Bues
Ian Jackson
John Banks
Ian McLeod
Robert Jones
Phil Barton
Danny Popkin
Rupert Kelly
Nigel Roffe

Fixer (mobile)
Chris Stone

Couriers
Mandy Cunliffe
Christine Bland
Elaine Harries
Fenella Hadingham
Clive Williamson

Room 1257 (X8837)
Room 1258 (X8838) journalists and visitors

TJs

1. LIVE
2. Kenneth Baker

TK

TK.1 : Opening Titles : 34"

TK.2 : Vox Pops: 1'46"

TK.3 : Paul Daniels : 5'02"

TK.4 : Radio West : 2'12"

TK.5 : Oxford Exam Board : 4'55"

TK.6 : Nottingdale : 4'33"

TK.7: Closing Titles: 33"

VT

VT.1 : War Games : 1'52"

VT.2 : Superman III: 0'30"

VT.3 : Opening Sequence*

VT.4 : Gallery Sequence*

* to be recorded Saturday morning

D/F 1 CAPTIONS

1. MICRO-LIVE

2. WHAT DO YOU THINK OF THE SHOW SO FAR?

3. ROLLER

MICRO LIVE
was presented by
Ian McNaught-Davis
and John Coll

Film Cameramen
Mike Delaney
Finton Sheehan
Elmer Cossey

Film Sound
Nick Stretton
David Jewett
Ron Peglar

Dubbing Mixer
Rod Guest

Film Editor
Barry Haigh

Graphic Designer
Graham McCallum

Technical Adviser
Steve Lowry

Studio Lighting
Peter Smee

Technical Manager
Tony Bate

Sound Superviser
Alan Machin

Designer
Paul Haines

Production Assistant
Susan Underwood

Production Team
Mike Cocker
Jane Freeth
Vivien Marles
Sheila Millington
Robin Mudge
Catherine Robins
Christopher Stone

Production
Patrick Titley
David Allen

RILEY CAPTIONS

List 1:

1. Ian McNaught-Davis
2. 01-811-8055
3. Stewart Binnie
   Merchandising Controller
4. John Coll
5. Ian Trackman,
   Software Consultant
6. Richard Fothergill
   Director, MEP
7. David Ellis
8. Tim Lyons
   Producer
9. Lawson Brown,
   Organiser, BBC Telesoftware
10. WAR GAMES
    (UIP-MGM/UA)
11. John Vince,
    Head of Computer Graphics,
    Middlesex Polytechnic
12. SUPERMAN III
    (Columbia-EMI-Warner)
13. Chris Webb,
    Manager, Nottingdale.

ROLLER

MICRO LIVE
was presented by
Ian McNaught-Davis
and John Coll

Film Cameramen
Mike Delaney
Finton Sheehan
Elmer Cossey

Film Sound
Nick Stretton
David Jewett
Ron Peglar

Dubbing Mixer
Rod Guest

Film Editor
Barry Haigh

RILEY CAPTIONS (ROLLER) CONTD

Graphic Designer
Graham McCallum

Technical Adviser
Steve Lowry

Studio Lighting
Peter Smee

Technical Manager
Tony Bate

Sound Superviser
Alan Machin

Designer
Paul Haines

Production Assistant
Susan Underwood

Production Team
Mike Cocker
Jane Freeth
Vivien Marles
Sheila Millington
Robin Mudge
Catherine Robins
Christopher Stone

Production
Patrick Titley
David Allen

+ owl motif

RILEY CAPTIONS

List 2

20. Kenneth Baker
Minister for Information Technology

21 Lawson Brown
Manager, BBC Telesoftware

22 Henry Budgett
Computer Journalist

23 Stephen Castell
Author, "Computer Bluff"

24 Dave Ellis

25 Richard Fothergill
Director, MEP

26 Colin Harris
Business Consultant

27 Richard Hooper
Director, Prestel

28 Geoffrey Hubbard
Director, CET

29 Christine Laugharne
Games Company Director

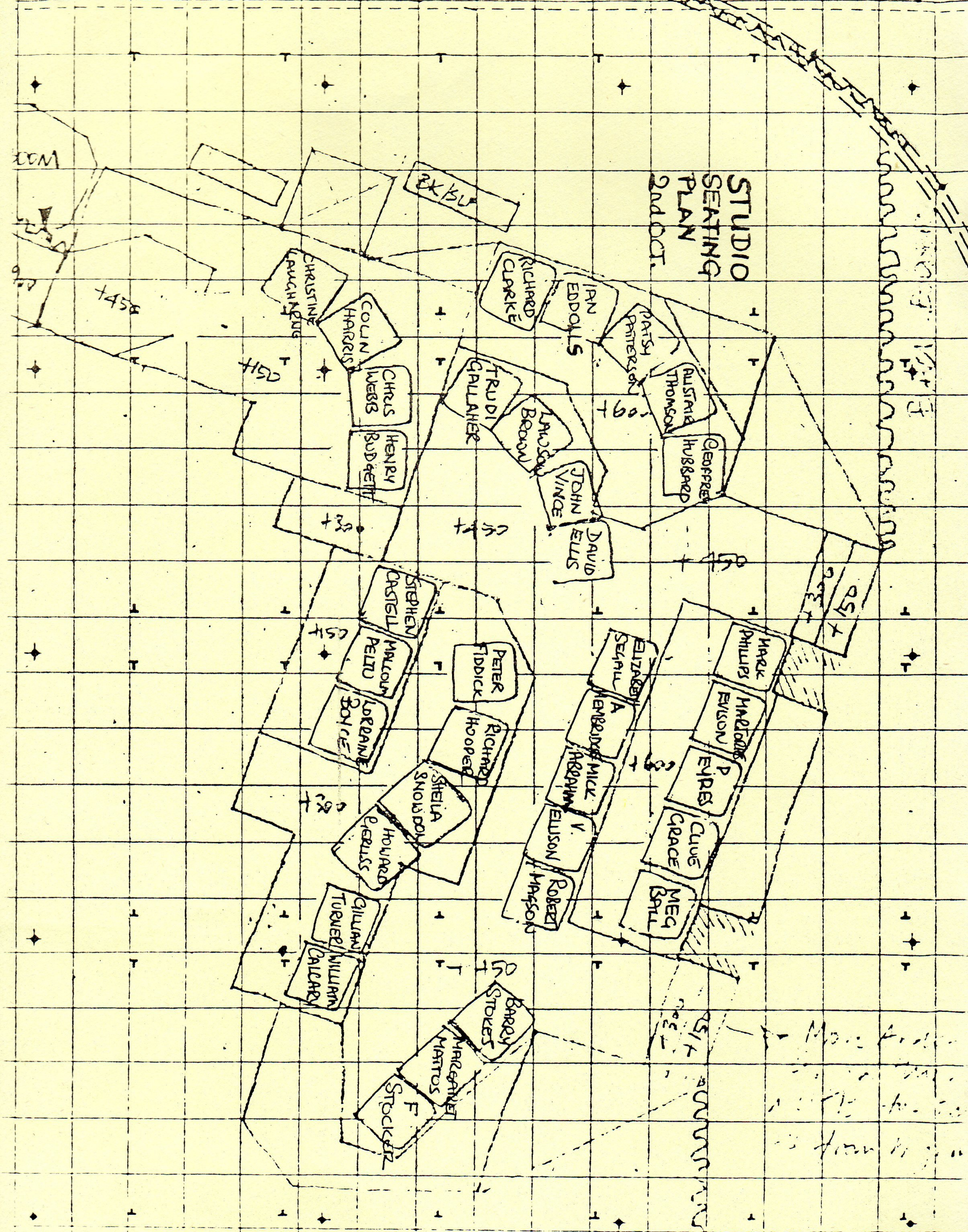
30 Malcolm Peltu
Computer Journalist

31 Alistair Thomson
S.M.D.P.

32 Ian Trackman
Software Consultant

33 John Vince
Head of Computer Graphics,
Middlesex Polytechnic

34 Chris Webb
Manager, Nottingdale


STUDIO
SEATING
PLAN
2nd OCT.
CHRISTINE
COLIN HARRIS
CHRIS WEBB
HENRY BUDGETT
RICHARD CLARKE
IAN EDDOLLS
PATSY PATTERSON
ALISTAIR THOMSON
GEOFFREY HUBBARD
TRUDI GALLAHER
LAWSON BROWN
JOHN VINCE
DAVID ELLIS
STEPHEN CASTELL
MALCOLM PELTU
LORRAINE
PETER FIDDICK
RICHARD HOOPER
SHEILA SNOWDON
HOWARD
GILLIAN TURNER
WILLIAM
BARRY STOKES
MARGARET MATTOS
F STOCKER
ELIZABETH SEGALL
MICK
V. ELLISON
ROBERT MASON
MARK PHILLIPS
P. EYRES
CLIVE GRACE
MEG BALL
+450
+150
+600
+300
+450
+450
+600
+450
+150

AUDIENCE LIST

1. Mr. Abrahams
2. Mrs. Ball
3. Ms. Boyce
4. Mr. Brown
5. Mr. Budgett
6. Mr. Castell
7. Mr. Carcary
8. Mr. Clarke
9. Mr. Eddolls
10. Mr. Ellis
11. Mrs. Ellison
12. Mrs. Evison
13. Mrs. Eyres
14. Mr. Fiddick
15. Ms. Gallagher
16. Mr. Gerliss
17. Mr. Grace
18. Mr. Harris
19. Mr. Hooper
20. Mr. Hubbard
21. Ms. Laugharne
22. Mr. Magson
23. Mrs. Mattos
24. Ms. Patterson
25. Mr. Peltu
26. Mrs. Segal
27. Ms. Snowden
28. Mr. Stocker
29. Mr. Stokes
30. Mr. Thomas
31. Mrs. Turner
32. Mr. Vince
33. Mr. Walker
34. Mr. Wembridge
35. Mr. Phillips

RUNNING ORDER

1. VT1 : PRE-TITLE AND TK1 : TITLES	0.45	0.45	1100.45
2. MAC introduces studio _ why we're doing it, who's here, introduces John Coll, and gives out contact numbers. Introduces programmers opens envelope and gets them going. Links to.....	3.00	3.45	1103.45
3. TK2 : VOX-POPS	1.46	5.31	1105.31
4. Phone-in 1 - GENERAL QUESTIONS	8.59	14.30	1114.30
5. MAC links to	0.40	15.10	1115.10
6. DEMO 1 : MUSIC with John Coll and Dave Ellis	7.00	22.10	1122.10
7. TK3 : PAUL DANIELS	5.02	27.12	1127.12
8. MAC introduces Stephen Castell and talks about jargon and software.	3.30	30.42	1130.42
9. Mac introduces Richard Fothergill who demos 'good and bad' software.	7.30	38.12	1138.12
10. MAC links to....	0.50	39.02	1139.02
11. TK4 : RADIO WEST	2.12	41.14	1141.14
12. DEMO 2 : TELESOFTWARE with Mac and Lawson Brown, including interview.	6.00	47.14	1147.14
13. Phone-in 2 - SOFTWARE	9.00	56.14	1156.14
14. Return to programmers (MAC)	4.00	60.14	1200.14
15. MAC links to....	0.16	60.30	1200.30
16. TK5 : OXFORD EXAM BOARD	4.56	65.26	1205.26
17. DEMO 3 : COMMS with Mac and John Coll	6.00	71.26	1211.26
18. VT2 : WAR-GAMES CLIP	1.52	73.18	1213.18
19. MAC introduces discussion about computer security.	5.00	78.18	1218.18

20. BUGGY delivers coffee and MAC links to....	0.45	79,03	1219.03
21. VT3 : GALLERY SUBTITLING	2.00	81.03	1221.03
22. DEMO 4 : HOME SUBTITLING with Mac and John Vince, including interview.	7.30	88.33	1228.33
23. VT4 : SUPERMAN III	0.30	89.03	1229.03
24. Phone-in 3 - GRAPHICS AND SOUND	7.00	96.03	1236.03
25. MAC links to....	0.20	96.23	1236.23
26. TK6 : NOTTINGDALE	4.43	101.06	1241.06
27. MAC interviews Kenneth Baker (Including launch of schools competition)	7.00	108.06	1248.06
28. Return to programmers (MAC)	5.00	113.06	1253.06
30. Outro from MAC	0.15	113 21	1253.21
31. TK7 : CREDITS	0.35	113.55	1253.56

SATURDAY SUPERSTORE DEMO

TX : Approx 10.45 - 10.55

REH : From 10.30 with Superstore Ikki handheld, our Ikki on Portaped, plus D/F's as required. Setting to continue in b/g, as necessary.

CONTACTS : Chris Bellinger x1979
Nick Wilson

John Craven piece to camera outside TC4.

He enters, and finds MAC at programmers desk.

MAC runs Superstore logo and music.

MAC describes show.

They move to Comms demo.

VT : War-Games

They move to Music demo and meet Dave Ellis.

Dave demos APPLE ZAP, first with presets, then by recording John Craven whistling.

He uses Apple to do graphics to Superstore music

/VT CLOCK ON/

PRERECORD 1 : OPENING (VT1)

/SB TK/

(Record to spool H65880)

1. 6 IKKI (handheld) /(MAC is outside TC4)

CU tx lights, pan down to MLS Mac

/RUN TK/

Mac : Good morning. This is studio 4 at Television Centre, its eleven o'clock and this is Making the Most of the Micro - LIVE!

SOF

2. TK.1: Opening

In: Music

Dur: 0'31"

S/I

2A. TJ.1: LIVE

Out: Music

T/O

/VT CLOCK ON /

(D/F 1 output on P/V A Monitor

PRERECORD 2 : GALLERY (VT3) (Record to spool H65880)

1. 6 IKKI (on portaped) /(John Coll is standing in front of moniters in TC4 gallery)

CU mixer: ZOOM OUT to WS
John Coll by P/V A Monitor

John: This is the production control room for studio 4. From here the director can choose which shots to transmit by asking the vision mixers, Sue and Priscilla, to select the appropriate button on the mixer.

ZOOM IN to MS + Monitor

Now in order to do subtitling, you have to join two pictures together - one is the background picture, and the other the caption. This caption is being generated by our BBC micro here in the gallery.

S/I
1A D/F 1 /If we just put both pictures up at once, we get this effect - not very nice, because you can see through the

Micro Live
T/O

(D/F 1 Next)

(Shot 1 on 6)

(John Coll Contd.)

caption.

A better way is to first cut a hole in the background picture, like this,

S/I

1B D/F 1 and then insert the letters, like this.

Micro Live

T/O

But there's another difficulty. Television pictures are generated a line at a time, scanning from the top left of the picture.

When you add two pictures together as we've just done, you have to ensure that they scan together - the technical word is synchronous.

(Select Monitor super on P/V B)

If you try and add two sources which aren't synchronous, this happens...

Cutting the holes for the BBC mcro captions is done by the standard mixing equipment. Making it synchronous requires special

(Shot 1 on 6)

(John Coll contd).

equipment.

(Takes lid of BBC micro)

This expensive addition, purpose built by BBC engineers, takes a timing signal from the studio, and that is used to bring the computer video signal into line with the other sources.

Once you have the hardware, its just a question of writing software to give you the captions you want.

/SB VT/

/RUN VT/

SOVT

1. VT.1: Opening Sequence

Dur: 45"

In: "Good Morning!.....

Out: Music

/FREEZE & TRAVEL TO/

---

2. 1 A /

WS Studio

WS studio.

Mac:

3. 4 A /

MS Mac

You may wonder why we are doing this programme live. Well, there are two reasons. Firstly, the previous two series gave an impression that everything to do with computers worked perfectly every time in a cool, logical environment. The truth was that if anything could go wrong, it would go wrong, and usually did, even the slightest slip leed to some form of chaos.

S/I

3A RILEY

Ian McNaught-Davis

T/O

Anyone who has used a micro knows this is true, so today we're showing reality - warts and all.

(RILEY NEXT)

(Shot 3 on 4)

(MAC CONTD.)

Secondly, over 300,000 people wrote letters to the project asking for advice. Today, there's a unique chance for coders, tech freaks, and even ordinary nice people to put questions to our specialists in software, hardware, and telecommunications right here in the studio.

S/I
3B RILEY
01-811-8055
T/O

If you have a question, ring 01-811-8055.

Finally, we thought it might be a lot of fun.

4 3 A
2-S Mac & John Coll

/ John Coll is with us again trying to find someone to send a message to using British Telecom's electronic mail service.

5 5 A
MS John Coll

/(John Coll trails mailbox number OWL 001)

6 4 A
MS Mac

/Thanks John.

7 6 A
MLS Dave Ellis

By popular request we've got/Dave Ellis, who'll be making music, and the wierdest

(6 NEXT)

(Shot 7 on 6)

(Mac cont.)
sounds, out of a pile of electronic junk linked to a micro - just wait.

8 4 A
MS Mac
S/T
/We'll be showing how the BBC Micro can be

8A D/F 1
What do you think of the show so far?
T/O
/used for subtitling like this, and how you can do it./ And Richard Fothergill will be showing us some of the latest educational programs.

9 6 A
MS Richard Fothergill

10 TJ2: Kenneth Baker
/At around twenty to one we'll have an interview with Kenneth Baker, the Minister for Information Technology, and he'll be launching a national software competition, with over £25,000 of prizes.

11 4 A
MS Mac
ZOOM OUT to WS
Programmers + Mac
/Over here are the bravest people in the show. In a moment they're going to throw themselves at their machines from three different manufacturers, and write a program in hot blood. It's not supposed tobe a competition, but a real look at how pros set about programming a problem they haven(t seen before. Ian Trackman set the challenge, and here it is.

INTERCUT
3A CU letter
5A MCU programmers
2A MCU programmers

(4 NEXT)

(Shot 11 Intercut)

(Mac contd).

(Opens envelope and reads)

/SB TK/

Happy coding! And we'll come back and see how you're doing later.

12 4 A /

WS
ZOOM IN to MS Mac

/RUNTK/

There are over a million micros in Britain, apparently more per head than in any other country. They're so commonplace, you can even buy them from your newsagent.

---

13. TK.2 : Vox Pops
Dur: 1'46"

In: Music (Sounds like tone) SOF

S/I
13A RILEY at 0'55"

Stewart Binnie
T/O Merchandising Controller

Out: Music and atmos....

(John and Mac to Seats)

/CAMERAS TO B/
/BOOM A TO 2 /

/BOOM A TO 2/

/FREEZE AND TRAVEL TO/

---

14 4 B
MS Mac + logo
(AS DIRECTED SEQUENCE NEXT)

(Mac says Games are fun but boring, and links to phone-in)

(shot 14 on 4)

(PHONE IN 1)

15 AS DIRECTED

1B WS Audience
2B CU Ian's computer/
MS Mac/MS audience
3B WS panel/MS audience
4B MS Mac
5B MS Panel
6B WS Panel

D/F 4: Ian's computer
Riley

(Mac runs the phone-in, suggesting who from the panel should answer etc)

16 4 B /
MS Mac + logo

/CLEAR 1,2,3 to C/

INTERCUT
5 B CU letter

We'll be taking more calls later, and we'll be particularly concentrating on questions about software. So do ring in on 01-811-8055.

(AS DIRECTED NEXT)

(Shot 16 on 4)

I'd like to thank you for all your letters, we based some of the items in the show on the things you found most interesting. We've prepared an information sheet on the new things we'll be showing today, and if you'd like one you can write to the address at the end of the programme. One of the most popular items you wrote to us about was the music programme. Here's a typical letter.

/CLEAR 5 TO C/

(Mac reads out letter)

Well we do have an answer to that.
Over to you John.....

(AS DIRECTED NEXT)

(Shot 16 on 4/5)

17 AS DIRECTED

1C MS John Coll
2S f John Coll
2C CUs
3C 2S f. Dave Ellis
5C WS audience

D/F 5 Demo Computer

(MUSIC DEMO)

John Coll introduction.

Dave Ellis plays percussion sounds on Apple, and explains how they were recorded.

He plays other noises.

He records John Coll humming, and plays results backwards, lower-pitched and sequenced.

(They move to BBC Micro)

Dave Ellis explains how to improve BBC Micro sound, and demonstrates by playing SYNTH.

1. Plays raw through Micro loudspeaker.
2. Connect exterior sound socket, and plays through studio sound desk.

(TK NEXT)

(Shot 17 AS DIRECTED)

3. Through effects pedal.

He carries on playing Bach, until his fingers get tangled.

He explains that there are four ways to enter data.

He demonstrates auto-composition by running SIMON.

/SB TK/

He runs SEA to illustrate a sound effects program.

He lists and explains SEA

/RUN TK/

John Coll mentions info sheet and they run SEA again.

SOF

18. TK.3: Paul Daniels

Dur: 5'02"

In: Music

Out: ....No, it's top secret!"

/1,2,3 & 5 to B/

(John and David Ellis to seats)

(4 NEXT)

(Shot 18 on TK)

/FREEZE AND TRAVEL TO/

(JARGON AND SOFTWARE)

19. 4 B
MS MAC / Mac talks about jargon.

20 AS DIRECTED

1B MS Castell
2B WS Audience
3B WS Panel
4B MS Mac
5B MS Panel/MS Mac
6B WS Panel

MAC introduces Stephen Castell, authour of the book "Computer Bluff" and they talk about jargon. Where did he find the most incomprehensible jargon?

The value and otherwise of jargon.

Mac is anecdotal about 'ease of use'

Points out that ease of use is a software problem and that software can be good or bad.

21 AS DIRECTED

2B MS Mac
3B CU Richard's computer
5B MS Richard Fothergill
D/F 3 Richard's computer

Mac intros Richard Fothergill, Director of the Microelectronics Education Programme.

(Shot 21 as directed)

Richard shows examples of good and bad software:

Runs SCALES - good instructions, easy to read etc. Good graphics.

Runs YACHT, and plays game with Mac. Describes how program works.

Runs and explains FLOWERS.

(4 NEXT)

Telesoftware Demo

22 4 B
MS Mac + logo /

Mac:

If you've just joined us, you're watching "Making the Most of the Micro LIVE". If you have any questions on software, phone now on 01-811-8055.

In the last programme of Making the Most of the Micro, we transmitted a short computer program as audio tones. All it did, was put a message on the screen inviting people to write in with questions for the show.

A cunning piece of promotion.

Over 300 people wrote in as a result of that message, including one techie who managed to list it on his Atom computer. And some of those people are here today.

/SB TK/

INTERCUT

5B CU letter

The largest number of letters we

(TK NEXT)

(Shot 22 on 4)

/RUN TK/

received asked why we couldn't transmit software over the radio. (Reads one out)

Now some radio stations are already doing that, and we went to look at one, Radio West in Bristol.

SOF

23. TK.4 : Radio West

DUR: 2'12"

In: Music.

Out: .... we still had no problems loading...." (FX computer screech)

S/I

23A Riley at 0'41"

Tim Lyons, Producer

T/O

/1,2,3,4,5 to D/

(Lawson Brown to interview position)

SET IN TELESOFTWARE DEMO

/FREEZE AND TRAVEL TO/

---

24 4 B /

MS Mac

Mac:

As you may know, only last week the BBC launched a new service on

(2 NEXT)

(24 on 4)

CEEFAX to provide free computer software.

25 2 D /

2S f. Lawson Brown

The manager of this new service is Lawson Brown.

26 AS DIRECTED

1D MS Lawson + equipment
2D 2S f. Lawson
3D CU equipment
4B Audience
5D MS Mac/2S f.Mac
D/F 2: Computer

Lawson Brown demonstrates Telesoftware:

He explains how telesoftware works, with reference to the RF TV set.

He replugs the equipment.

He shows the telesoftware pages,with program listing.

He downloads and runs a program.

Interview with Lawson Brown.

1. WHY NOT TRANSMIT SOFTWARE ON RADIO - EG RADIO 3 AFTER CLOSEDOWN?

(26 AS DIRECTED)

WHY NOT OPERATE BOTH SYSTEMS?

2. WHY ONLY FOR THE BBC MICRO?

3. HOW IS THE BBC PAYING FOR IT?
WON'T IT DESTROY THE MARKET?

(4 NEXT)

(PHONE IN 2)

27 4 B /
MS Mac + logo

Mac links to second phone-in sequence, with questions about software.

28 AS DIRECTED
1B WS Audience
2B MS's audience
3B CU computers/WS panel
4B MS Mac
5B MS's panel
6B WS panel

Phone-in....

29 4 B /
MS Mac + logo
/Clear 2,3, 5 to A/
/Clear boom A To 1/

There will be another phone-in section /Clear Boom A to 1/ later when we will concentrating on music and graphics. When a beginner's given a job to program, he instinctively wants to get on the machine and start coding immediately. Usually, it's best to think through the problem then specify exactly what you want. The coding is almost the last thing you do.

(Shot 29 on 4)

/TRACK TO A/

(Mac crosses to programmers)

30 AS DIRECTED

2A CU screens/CUs
3A MCU programmers
4A WS f. Mac
5A MCU programmers

Let's have a look at how our professionals have tackled the job.

(Mac asks each team to describe how they tackled the problem)

/ SB TK/

31 4A

WS, ZOOM IN to MS Mac

/ Well, our programmers have got just over an hour to complete their masterpieces. We'll see them again later when with a bit of luck they'll have finished.

Real problems require first class software, and that takes time to write, not just a couple of

(TK NEXT)

(Shot 31 on 4)

hours. Even small errors could have disastrous results in situations that really matter.

---

32. TK.5: Oxford Exam Board
DUR: 4'56"

SOF

In: Music

Out: .....and a lot of organising lists"

(SHARP OUT)

/1,2 & 3 to E/

(John Coll and Mac to Comms Demo)

/FREEZE AND TRAVEL TO/

---

33 1 E

MS Mac

(Telecome Gold demo over page)

(AS DIRECTED NEXT)

(Shot 33 on 1)

(TELECOM GOLD)

Mac: At the moment, they are sending the data on disc through the post. But in the future it may go direct into the central computer by telephone line. What's the code John?

34 AS DIRECTED

1E MS Mac/2s f.Mac
2E CU Computer/CU equipment
3E MS John + equipment
D/F 5 Demo computer

John Coll explains modems and acoustic couplers, including relative costs.

He demos Telecom Gold :

LOGON

MAIL

SCAN UNREAD

(John explains terms, and that most of the messages are read because an assistant producer has been looking at them.)

(1 NEXT)

(Shot 34 as directed)

He reads some messages, and explains the choices available for action. He sends a reply.....

John explains the costs involved in BTG, and that if you are an individual, you can join a user group.

/SB VT/

35 1 E

MS Mac

Mac: Well, everything we've done so far has been completely legal - we've paid the owners of the computers we accessed for the time. But recently there's been a lot of interest in the idea of some smart kid at home being able to dial up a big computer and cause chaos - as in the film "War-Games"....

/RUN VT/

---

36 VT.2 : War Games

Dur: 1'52"

In: Atmos.

Out: .....O.K., O.K.

/FREEZE AND TRAVEL TO/

---

37 4 B

MS Mac

(Mac links to discussion about computer security)

(AS DIRECTED NEXT)

(Shot 37 on 4)

38 AS DIRECTED: (Discussion on computer security)

1B WS Audience
2B MS Audience
3B WS Panel/MS audience
4B MS Mac
5B MS's panel
6B WS Panel

(4 NEXT)

(Shot 38 as directed)

(VIDEO AND JOHN VINCE)

39 4 B

MS Mac

You may remember the BBC buggy. After a lot of prompting it found its way out of the maze, and even raised a flag. And at last the BBC have found a major use for it.

40 AS DIRECTED

1B WS audience
3B CU
4B MS Mac
5B CU buggy

(Buggy delivers coffee)

41 4 B /SB VT/

MS Mac

/RUN VT/

If you are interested in use of computers in control applications, we are doing a whole series on robots next year.

We had several letters after the series asking about the way we used the micro for subtitling. (Reads one out) There is a way to adapt the micro for this purpose, but first of all John Coll has been upstairs to the control room to have a look at the system used by the BBC.

---

42 VT3: Gallery
Dur: 2'0"

(details over page)

Dur:2'0"

In: This is the production control....

Out: ..... the captions you want.

/1,2,3 & 5 to D/

(John Vince with video camera)
(Set in video demo incl. VIP)

/FREEZE AND TRAVEL TO:/

43 4 B
MS Mac

Mac: All that equipment costs a lot of money. But now, thanks to the ingenuity of the BBC engineers, you can do subtitling at home, using one of these.

More information will be available if you write to the address that will be given

(43 on 4)

at the end of the programme.

To demonstrate how it works we need a video. And we asked our next guest, John Vince, who is Head of Computer Graphics at the Middlesex Polytechnic, to do one for us. We'll be talking to John about computer graphics on the Micro in a moment...

44 5 D

WS Studio pan to 2s f. Mac

45 AS DIRECTED

1D 2S f.John Vince/MS John Vince
2D CU gadgets
3D DCU screen
4B MS Mac
5D 2S f.Mac

MAC demonstrates subtitling, using the adapter:

Plugs in and runs video.

Runs software to generate captions.

He points out that the end roller will be computer-generated.

46 AS DIRECTED

1D MS John Vince + VIP
2D 2S f. John Vince
3D CU VIP screen
4B Audience/2S
5D 2S f. Mac/MS Mac

MAC discusses creative graphics with John Vince:

(4 NEXT)

(Shot 46 as directed)

John Vince explains why VIP is a good graphics machine, and runs programs -

/SB VT/

1. Road
2. Rotating cube
3. Dodecahedron
4. Owl

He gives tips illustrated by Superman III memorabilia -

1. Keep library of subprograms
2. Always storyboard
3. Natural movement

/RUN VT/

Mac: And we can see the finished result from Superman III.....

---

48 VT4: Superman III clip SOVT
DUR: 30"
S/I

48a RILEY
Columbia/EMI/WARNER

In: Music

Out: ... help me, what about me!" FX....

/FREEZE AND TRAVEL TO/

---

49 4 B
MS Mac + logo

(AS DIRECTED NEXT)

(Shot 49 on 4)

50 AS DIRECTED — Mac introduces next phone-in sequence.

1B MS Audience/WS Audience
2B MS Audience/MS John Vince
3B WS Audience
4B MS Mac + logo
5B MS's panel
6B WS Panel
RILEY

(4 NEXT)

(50 AS DIRECTED)

(KENNETH BAKER AND ENDING)

51 4 B

MS Mac + Logo

/SB TK/

In a few minutes we're going to be announcing details of the BBC software competition, and I'll be talking to the Minister for Information Technology, Kenneth Baker. Successive governments have recognised the important role that micro technology will play in the future of Britain.

/RUNTK/

Many people are concerned that the new technologies will destroy their jobs. But new jobs are being created, and they would need a knowledge of computer techniques.

---

52 TK.6: Nottingdale

Dur: 4'43"

S/I Riley
52A Chris Webb

T/O

In: (Commentary in at 0'05")
We've been to a place not a stone's throw from here....

(AS DIRECTED NEXT)

Out: ...popping out of Nottingdale as a mother company."

(STRIKE VIP & SET IN DRESSING. JOHN VINCE RETURNS TO AUDIENCE. MINISTER TO SEAT)

/FREEZE AND TRAVEL TO/

53 AS DIRECTED

1D MS Minister
2D 2S f. Minister
3D 2S
4B Audience/MS Mac
5D MS Mac

(Mac interviews Minister)

Questions:

1. Will there be more places like that in the future?

2. What is the long term strategy behind initiatives like micros in schools and the ITECs?

3. Are you convinced that lasting jobs will

(4 NEXT)

(53 AS DIRECTED)

be created for kids like those?

4. As a country, should we be concentrating more on software than we do at present?

5. Which brings us to the launch of the BBC's software competition for schools.

/CLEAR BOOM A TO 1/

/CLEAR BOOM A TO 1/
/CLEAR 3 & 5 to A /

Minister gives details and aims of competition.

54 4 B

MS Mac + logo

MAC: And if you want more details and an entry form, write to the address that will be given at the end of the programme. It is also given in this weeks Radio Times.

TRACK TO A

(Moves to programmers)

Now lets see how our own software writers have been getting on. Two hours is a very short time to write any sort of program, particularly under these conditions.

(AS DIRECTED NEXT)

55 AS DIRECTED

2A CU screens
3A MCU programmers
4A WS f. Mac
5A MCU programmers

MAC asks each team to run their programs.

/SB TK/

56 4A

A/B ZOOM IN TO MS Mac

/RUN TK/

Thanks for your efforts, also thanks to everyone else. Next year, as well as a new series on robots, we're also doing one on the electronic office, the office of the future, or whatever it's called.

That's it. Have a good lunch - goodbye.

57 1 A

WS Studio

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58. TK7: End
DUR: 34"
S/I

In: Music

58A D/F 1

Roller caption

Out: Music

(FADE TK AT END)

/PRESENTATION FADE SOUND & VISION/

SCU
30.9.83