

PRIME MINISTER

SEMINAR ON SCIENCE, TECHNOLOGY AND INDUSTRY

The origin of this seminar was the biased and doom-laden BBC Horizon programme broadcast earlier this year. Of course this is not known to delegates although probably some have guessed.

2. Following the election, the seminar was deliberately aimed at the creation of wealth from science and technology in order to "create an economy which provides stable prices, lasting prosperity and employment for our people". This information was sent out with all invitations.

3. The response to requests to speak has been 100 per cent and the response to invitations about 90 per cent with most of those refusing having unavoidable commitments abroad. There have been many requests for invitations and, on advice from Departments, these have been met up to the limit of the accommodation in Lancaster House.

4. There has been real enthusiasm for the subject of the seminar from industry and from the city although some delegates have ideas which are different from those of the Government as to how to achieve the common aim. These differences of opinion will come out in the formal papers and, probably to a greater extent, from the floor in the discussion periods.

5. Many of the academics will arrive at the seminar in a less enthusiastic frame of mind as a result of the UGC cuts and the financial problems of some of the Research Councils. There is unlikely to be much sympathy with their perceived problems from industry or the city and a lively discussion could ensue.

6. There has been some comment on the difficulty of having a serious discussion on wealth creation from science and technology in the presence of the press and TV. Inevitably there will be different approaches to the need to balance serious discussion with PR but I doubt that any major problems will arise.

7. The attendance comprises roughly 100 industry, 40 city, 60 academics and 50 government and civil service. There is a good spread of age, experience and background and plenty of people with something to say in discussion.

8. In the handling notes, I have given you some names of people who have been warned you may call on them in discussion. On the whole, though, my advice would be to have an unscripted discussion and if one of the sectors, eg the academics criticise another eg industry, to call on the attacked sector to reply.

9. Attached are:

Programme of the Seminar	(Flat A)
Top Table Seating Plans	(Flag B)
Handling notes	(Flag C)
List of Participants	(Flag D)
Summary of relevant reports	(Flag E)

RBN
ROBIN B NICHOLSON
Chief Scientific Adviser

Cabinet Office
9 September 1983

cc: Mr Flesher
PS/Mr Parkinson
PS/Sir Keith Joseph
PS/Mr Heseltine
PS/Mr Baker
Sir Robert Armstrong

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Flags
B & C
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SEMINAR ON "SCIENCE, TECHNOLOGY AND INDUSTRY"

Monday, 12 September 1983: Lancaster House

Chairman: THE PRIME MINISTER

09.15 - 10.00 Registration and Coffee

10.00 Introduction: The Prime Minister

SESSION I: INNOVATION THROUGH RESEARCH AND DEVELOPMENT

10.20 INNOVATION IN LARGE COMPANIES

Lord Weinstock, Managing Director, General Electric Company plc
Mr J H Harvey-Jones, Chairman, Imperial Chemical Industries plc

10.50 PROCUREMENT AND INNOVATION

The Rt Hon Michael Heseltine MP, Secretary of State for Defence

11.05 Discussion

11.30 THE ROLE OF THE UNIVERSITY IN INDUSTRIAL INNOVATION

Sir Rex Richards, Warden, Merton College, Oxford

11.45 INNOVATION IN SMALL COMPANIES

Sir Clive Sinclair, Chairman, Sinclair Research Ltd.
Mr D K Duckworth, Chairman and Chief Engineer, Cosworth
Engineering Ltd.

12.15 Discussion

12.40 SUMMARY

Sir Henry Chilver, Chairman, Advisory Council for Applied Research
and Development

12.50 Lunch

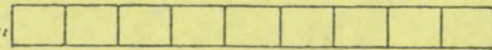
SESSION II: STIMULATION AND FINANCING OF INNOVATION

- 14.00 STIMULATION OF INNOVATION BY GOVERNMENT
Mr Kenneth Baker MP, Minister of State for Industry and Information
Technology
- 14.15 TECHNOLOGY TRANSFER
Mr D Downs, Chairman and Managing Director, Ricardo Consulting
Engineers plc
- 14.30 FINANCING OF INNOVATION
Lord Caldecote, Chairman, Investors in Industry plc
Mr D J S Cooksey, Managing Director, Advent Ltd.
- 15.00 Discussion
- 15.25 Tea

SESSION III: MAINTAINING THE STRENGTH OF THE SCIENCE BASE

- 15.40 THE ROLE OF GOVERNMENT
The Rt Hon Sir Keith Joseph MP, Secretary of State for Education
and Science
- 15.55 THE ROLE OF INDUSTRY
Sir Geoffrey Allen, Technical Director, Unilever plc
- 16.10 THE ROLE OF THE RESEARCH COUNCIL
Prof J F C Kingman, Chairman, Science and Engineering Research
Council
- 16.25 Discussion
- 16.50 SUMMARY
The Rt Hon Cecil Parkinson MP, Secretary of State for Trade and
Industry
- 17.00 CONCLUDING REMARKS: The Prime Minister

LONG GALLERY LANCASTER HOUSE



TOP TABLE

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SUMMARY OF RELEVANT REPORTS

1. Chilver/Merrison report published as Cmnd 8957 stressed the importance of choice in both basic and applied research and drew attention to the need to apply foreign R & D effectively as well as our own, the need for a receptive market for innovation and the need for an education system suited to a technological age.
2. Georgala report on Food Industry and Technology published by ACARD stressed market switch to processed food as distinct from agricultural materials. Expressed concern whether UK food processing industry is competitive in its technology. Criticised Joint Consultative Organisation (JCO) which consists of MAFF, ARC and DAFS) for not listening to the market needs for research.
3. JCO Consultative Board report criticised JCO organisation as costly, cumbersome and unsuited to modern research needs. Lord Rothschild wrote to you, agreeing with report.
4. H.C. Select Committee on Agriculture report rushed out before election and recommended a 'national strategy' on agricultural R & D. Repeated criticism of JCO Consultative Board on JCO organisation.

Government responses on 2,3 and 4 are being prepared by MAFF.

5. Gregson report (H.L. Select Committee on Science and Technology) emphasised the need for UK to have a vigorous and successful manufacturing sector. Recommended (a) more strategic guidance and financial assistance from Government (b) more managerial commitment to innovation (c) better University/industry links.

Government response to 5 is about to come out from Mr Parkinson. It agrees with Gregson's aims but disagrees with many of his methods especially more Government intervention.

6. Kelly report commissioned by DTI from the Fellowship of Engineering

looked at innovation in materials, stressed the importance of materials as an enabling technology and the long time scale of innovation.

7. Maddock report from NEDO on civil exploitation of defence technology recommends use of 'brokers', more awareness and greater involvement of sub-contractors in defence projects.

8. Merrison report on University research concluded that UGC cuts had disproportionately affected research and Universities should redress the balance, also set up research committees to direct money to best areas of research in each University.

Government response was 'new blood' scheme for fresh academic posts.

9. Morris report on balance of Research Council research 'in-house' and in Universities recommended closer liaison between RC Institutes and Universities and the setting up of any new Institutes on University campuses.

10. Muir Wood report on University/Industry Links gave Universities the principal responsibility of better marketing of their skills with industry. It recommended an industrial 'seed corn' fund to reward Universities which win industrial research support with a greater share of UGC and Science Vote funds.

11. Strathcona report recommended that MoD research establishments should concentrate on research and MoD should place development work in industry.

MoD response accepted Strathcona which is being implemented.

12. Versailles Working Group report on Technology, Growth and Employment published as Cmnd 8818 originated with the 1982 Economic Summit. It stresses the importance of international links in science and the role of technology in providing new growth and new employment.

PRIME MINISTER'S SEMINAR ON SCIENCE, TECHNOLOGY AND INDUSTRY

LANCASTER HOUSE, ST JAMES'S

Monday, 12 September 1983

LIST OF PARTICIPANTS

ADLER, A G F	Director, BHRA Fluid Engineering
ALDRICH, M J	Managing Director, Rediffusion Computers Ltd.
ALEKSANDER, Professor I	Brunel University
ALLAM, Dr D	Chief Executive, Prutec
ALLEN, Sir Geoffrey	Director of Research, Unilever plc
ALUN JONES, D	Managing Director Ferranti plc
ALVEY, J	Engineer in Chief Development and Procurement, British Telecom
ANSON, J	Deputy Secretary HM Treasury
ARMSTRONG, Sir Robert	Secretary of the Cabinet Cabinet Office
ASH, Professor E A	Department of Electronics and Electrical Engineering, University College, London
ASHWORTH, Professor J M	Vice Chancellor, University of Salford
ATKINSON, Dr H H	Director, Science, Science and Engineering Research Council

BAKER, Kenneth MP	Minister of State, DTI
BARRON, Professor Iann	Director, Inmos Ltd
BATISTE, Spencer MP	Member of Parliament
BECKETT, Sir Terence	Director-General, CBI
BEESELEY, I	Cabinet Office
BEEVOR, J	Managing Director, Industrial Finance Division, Midland Bank
BIDE, Sir Austin	Chairman, Glaxo Holdings plc
BIRCHALL, Dr J D	Senior Research Associate, Imperial Chemical Industries plc
BIRKS, Dr J	Chairman, NMI Ltd
BISHOP, Professor R E D	Vice Chancellor, Brunel University
BLACKWELL, Sir Basil	Chief Executive, Westland Group of Companies
BONDI, Sir Herman,	Chairman, NERC
BRABEN, Dr B	Head of Venture Research Unit, British Petroleum Group
BRENNER, S	MRC Laboratory of Molecular Biology Cambridge
BRISCOE, E	Managing Director, Doulton Industrial Products Ltd
BROADBENT, Dr D	Department of Psychology, University of Oxford
BROOKE, Hon Peter MP	Parliamentary Under Secretary of State, DES
BRYANT, Professor S J	Department of Physics Hull University
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BURNETT, Professor J	Vice Chancellor University of Edinburgh

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Head of Electronics
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BUTLER, Sir Clifford

Vice Chancellor
University of Technology
Loughborough

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CALDECOTE, Viscount	Chairman, Investors in Industry plc
CAMPBELL CLOUSTON, D	Director, Science Parks Ltd
CARMICHAEL, P	Head of Small Businesses Division Scottish Development Agency
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CHALLIS, Dr A A L,	Chief Scientist Department of Energy
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CHILVER, Sir Henry	Chairman, Council for Applied Research and Development
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CLIVE, C	Joint Managing Director, Thompson Clive & Partners Ltd
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COHEN, R	Managing Director Alan Patricof Associates
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COLE, Professor R	Deputy Chief Scientist, DHSS
COLLYEAR, J G	Chairman, AE plc
COOKSEY, Dr D J S	Managing Director, Advent Management Ltd
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DAVIES, Dr G A O	Department of Aeronautics, Imperial College of Science and Technology
DAVIES, Professor G J	Department of Metallurgy University of Sheffield
DAVIES, Dr P	Adviser Cabinet Office
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DOLLIMORE, G	Chairman Hunting Engineering Ltd
DOWNES, D	Chairman, Ricardo Consulting Engineers plc
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DUCKWORTH, W E	Managing Director, Fulmer Research Institute
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SPICKERNELL, Admiral D G	Director General, British Standards Institution
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The Royal Society

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WARNES, B

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Venture Capital Ltd

WEBB, T

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ASTMS

WEINSTOCK, Lord

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Company plc

WHITMORE, Sir Clive

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WILLIAMS, A

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WOOD, Sir Frederick

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WOOD, M

Deputy Chairman, Oxford Instruments
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YOUNG, D

YOUNG, R

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Policy Unit, 10 Downing Street

ZUCKERMAN, Lord

Wolfson Foundation

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ABBOTT, Miss J	-	PSA Cleaner
ABBOTT, Mrs M	-	Government Hospitality (GH) Domestic
ADCOCK, M G	-	PSA Custody Guard
ADCOCK, M	-	GH Domestic Staff
ANDREWS, Graham	-	COI
ARMSTRONG, I	-	GH Butler
BALDWIN, Mrs M	-	GH Domestic Staff
BALL, D C	-	PSA Conference Section
BAWDEN, Miss J	-	Cabinet Office (Registration Clerk)
BEATIE, Mrs U	-	GH Caterer
BEER, Mrs June	-	GH Caterer
BIRD, Mrs Chris	-	GH Caterer
BOND, Mrs Doreen	-	GH Caterer
BOYCE, Mrs L	-	GH Domestic Staff
BOYCE, L V	-	GH Domestic Staff
BREARLEY, J	-	GH Butler
BURKE, J	-	GH Porter
BURNETT, Mrs Jean	-	GH Caterer
BUTLER, L	-	GH Delivery Driver
BYFORD, Tony	-	COI

Support Staff (cont'd)

CANNON, L	-	PSA Cleaner (Male toilets)
CARTER, Mrs Ruby	-	GH Caterer
CAWTHORNE, Gordon	-	Superintendent (No 10 Security)
CHAMPION, L	-	Fire Patrolman
COLES, J	-	PSA Cleaner (Male toilets)
COOPER, Raymond	-	GH Caterer
CUBITT, F	-	British Telecom engineer
DARNBROUGH, Dr Monica	-	Department of Trade & Industry
DAVIS, R	-	Fire Officer
DEAL, D J	-	PSA Custody Guard
DOY, Miss Judith	-	Civil Service Medical Advisory Service
DRAKE, Mrs Marie	-	GH Caterer
DUNKLEY, Gerry	-	COI
DYBALL, C	-	British Telecom engineer
EAST, Nigel	-	Department of Trade & Industry
EASTON, Mrs Barbara	-	GH Caterer
EASTON, Leslie	-	GH Caterer
EDGAR, Derek	-	Chief Inspector (No 10 Security)
EDWARDS, D	-	Fire Patrolman

Support Staff (cont'd)

FINLAYSON, W	-	Fire Patrolman
FOWLER, Mrs Doris	-	GH Caterer
FROST, A	-	PSA Supplies
FROST, P	-	British Telecom engineer
GAIR, Bob	-	COI
GILL, J	-	PSI Supplies
GILLESPIE, A	-	GH Domestic staff
GILLESPIE, Miss D	-	GH Domestic staff
GILLESPIE, H	-	GH Butler
GILLESPIE, Mrs M	-	GH Domestic staff
GINN, Ken	-	COI
GRACE, Trevor	-	COI
GREEN, A	-	PSA District Works Office
GREEN, F	-	GH Domestic staff
GREEN, F J	-	PSA Custody Guard
HANDLEY, D	-	GH Caterer (Management)
HARDING, Ulrich	-	COI
HARRIS, Mrs Pat	-	GH Caterer
HEMMINGTON, J	-	GH Office
HOOD, W	-	British Telecom engineer
JELLEY, Miss M	-	Prime Minister's Office

Support Staff (cont'd)

JOCE, Peter	-	No 10 Security
JOHNSON, Mrs Yvonne	-	GH Caterer
JONES, Mrs R	-	GH Caterer (Management)
KEANE, Mrs Anne	-	GH Caterer
KELLY, Mrs Eunice	-	GH Caterer
KINGSTON, Robert	-	Detective Constable (No 10 Security)
LEDWITH, Mrs Pat	-	GH Caterer
LOCKYER, C G	-	British Telecom engineer
MANSFIELD, J	-	GH Domestic staff
MARSH, M A	-	GH Caterer
MASON, Mrs Maria	-	GH Caterer
MILLER, S	-	PSA Messenger
MORGAN, Mrs Nancy	-	GH Caterer
MORGAN, R	-	GH Caterer (Management)
MORTONSON, Mrs Betty	-	GH Caterer
MOSCATIELLO, M	-	Florist
NEVARD, D	-	GH Butler
OAKDEN, Instructor J	-	London Ambulance Service
O'BRIAN, Mrs D	-	GH Domestic staff
O'CALLAGHAM, Mrs Evelyn	-	GH Caterer
PEARSE, John	-	Inspector (No 10 Security)
PHELAN, Miss C	-	PSA Cleaner
PORT, L	-	Florist

Support staff (cont'd)

RAGGOTT, S	- British Telecom engineer
RENDALL, Instructor G	- London Ambulance Service
ROBERTS, Mrs Sue	- GH Caterer
ROLPH, Mrs Doris	- GH Caterer
RUSSELL, Mrs E	- PSA Messenger
SHARPE, R	- GH Caterer
<i>SIMPSON, A</i>	- <i>COI</i>
SMITH, A	- PSA Conference Section
SMITH, Mrs J	- Cabinet Office (Registration Clerk)
SMITH, Martin	- COI
SMITH, T	- GH Delivery Driver
SNELL, M E W	- GH Office
SPENCE, G B	- Cabinet Office (Conference Officer)
STEED, Mrs D	- PSA Cleaner
STERLING, Miss Helen	- GH Caterer
STILES, Reg	- COI
TAYLOR, Mrs Eileen	- GH Caterer
TAYLOR, K B	- Fire Officer
TEAGUE, R	- PSA Custody Guard
THOMAS, Derek	- COI
<i>THOMAS, Pat</i>	- <i>COI</i>
TURNER, J	- GH Caterer

Support staff (cont'd)

UFFINGTON, Mark	-	COI
WAKEFORD, Alan	-	COI
WALTERS, Mrs Julie	-	GH Caterer
WARD, Mrs W	-	GH Caterer
WHARRAM, Mrs C G	-	Cabinet Office (Registration Officer)
WHEELER, Mrs Carol	-	GH Caterer
WILLIAMS, Gordon	-	GH Caterer
WILLIS, L F	-	PSA District Works Office
WILSON, Robert	-	GH Caterer
WRIGHT, Mrs E	-	PSA Cleaner
YOUNG, Miss G	-	GH Domestic Staff

N.B.

A further 2 porters from Government Hospitality will be present on Monday, their names are not yet available.

Vehicle registration numbers:

GH Delivery vehicle:	XND 589X
Caterers' vehicles:	KWP 562X
	MUU 291X
	EPU 40X - with trailer
	TEL 5X

Hired freezer van reg. number not yet known

Florist's vehicle:	NGX 96W
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10 DOWNING STREET

SEMINAR ON SCIENCE, TECHNOLOGY AND INDUSTRY
AT LANCASTER HOUSE, ST JAMES'S
ON MONDAY, 12 SEPTEMBER 1983

Please find enclosed a parking permit, Seminar programme,
guidance notes and floor plan of Lancaster House for the above
Seminar.

You will also require the admission ticket already issued to
you at the time of invitation.

SEMINAR ON SCIENCE, TECHNOLOGY AND INDUSTRY:

12 SEPTEMBER 1983 AT LANCASTER HOUSE

NOTES FOR ATTENDEES

Car Parking

Enclosed is a car parking permit to the Mall Horse Ride which should be displayed on the front windscreen of your vehicle. Instructions on how to approach Lancaster House are printed on the reverse of the permit. If you are to be collected by chauffeur at the close of the Seminar your vehicle will be paged in the parking area when you report to the front hall.

Admission and Registration

On arrival please present your admission ticket (issued with invitation) to the security officer at the main entrance and report immediately to the registration desk in the main hall.

The Seminar

All sessions will be held in the Long Gallery on the first floor of the building. Please allow sufficient time before the start of the opening address to locate the seat number allocated to you at the time of registration.

Although some speakers will make use of visual aids we regret it is not possible to offer this facility to contributors from the floor during the discussion.

Refreshments

Coffee and Tea will be served in the State Dining Room on the ground floor of Lancaster House. A buffet style luncheon will be provided in the garden marquee, and access to this is through the State Dining Room. The timing of these events is shown on the enclosed programme.

First Aid

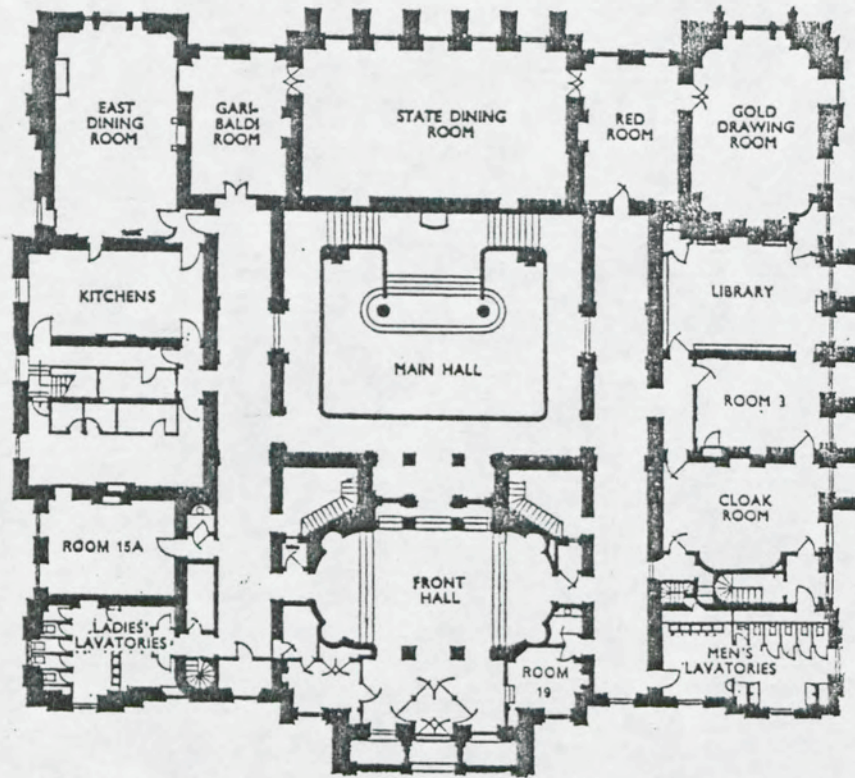
Qualified medical assistance will be available in the first aid room adjacent to the Ladies Cloakroom on the ground floor. In the event of difficulty please contact the Conference Liaison Officer (Mr Spence) in the East Ante Room on the First Floor.

Telephones

Four telephone booths are situated in the corridor between the Veronese and Music rooms. However, you are asked to restrict use of this facility to genuinely important calls.

LANCASTER HOUSE, ST JAMES'S

GROUND FLOOR



FIRST FLOOR

