

NEWS | multimedia

MAKERS OF THE 20th CENTURY



the 1990s, the number of people in the UK who are aged 65 and over has increased from 10.5 million to 13.5 million (15.5% of the population).

There is a growing awareness of the need to address the needs of older people, and the Government has set out a strategy for the 21st century in the White Paper on *Ageing Better: A Strategy for the 21st Century* (Department of Health 1999).

The White Paper sets out a vision of a society in which older people are able to live well, and to contribute to society. It identifies a number of key areas for action, including:

• Improving the health and well-being of older people.

• Improving the quality of care and services for older people.

• Improving the opportunities for older people to participate in society.

• Improving the opportunities for older people to contribute to society.

The White Paper also sets out a number of key objectives for the 21st century, including:

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The Making of Makers

If two unconnected people were to write down their idea of the 200 most significant people of the twentieth century, who would be sure to figure on both lists? Adolf Hitler? Marilyn Monroe? Albert Einstein? Anyone at all?

We do not know, but we suspect that there would be very little overlap. Everybody has their own gallery of heroes and villains, and in any case, how do you begin to weigh the achievement of a surgeon against that of a philosopher? A mountaineer against a rock group? A poet against a president? There is, after all, no universal currency of greatness, no objective way to reduce the life's work of extraordinary people to measurable units.

This CD-ROM, *Makers of the 20th Century*, started life as a series in the Sunday Times Magazine of London. It consisted of a thousand short pieces, each one a life in a nutshell, by more than 400 writers. We have built on the magazine series and, using the whole armoury of multimedia, we have given an account of our busy century through the life stories of key individuals. So, as well as learning that Neil Armstrong walked on the moon, you can see him do it and read what the world thought of his incredible journey. You can watch Fred Astaire dance, hear Billy Graham preach, or listen to Stephen Hawking explain what the cosmos means to him.

But *Makers of the 20th Century* is not an encyclopedia. It is a digital archive containing thousands of diverse documents. And we have shaped these records - contemporary newspaper articles, photographs, newsreels, together with our introductions and captions - into rounded pictures of our Makers. They are like Picasso portraits, drawn from several different angles at the same time.

Many of the documents in the CD-ROM were originally published long ago: the oldest newspaper article is an account of the first wireless signal to span the Atlantic Ocean, and it was printed in The Times on December 16, 1901. The articles cover more than just a long timespan, they also take in a wide variety of journalistic genres. They range in style from The Times' dry reportage of the Russian revolution in 1917 to The Sun's jesting assessment of Michael Jackson's eccentricities in the Eighties.

One of the strengths of using contemporary documents is to show how much terminology, attitudes and opinions have changed in matters of race and sexual politics. Today, it is astonishing, for example, to discover how freely the word 'Negro' was used in the Sixties - not just by the press, but the civil rights champions

Malcolm X and Martin Luther King. But we have not altered the newspaper articles, because this shift is part of the story of our century, it is a brushstroke in the larger portrait. We did not feel we had the right to censor the history according to the attitudes of our own day.

We recognise that human affairs are seldom a matter of heroic individual accomplishment. History makes the Makers as often as the Makers make History. Artists are influenced by other artists; scientists build on the discoveries of earlier scientists; politicians are born of the times, and they need their entourages, their armies, their mass movements.

We have found various ways of addressing this historical truth. One was to choose Makers who are symbols of the world-shaking phenomena. So Wilfred Owen stands for the dreadful trauma of the first world war; Chico Mendes' life lets us tell the tragic story of the rainforests, another manmade orgy of destruction. Sometimes we have let one life represent collective achievements or global events: Crick and Watson for the discovery of DNA, Rosa Parks for sparking the black civil rights movement, Henry Ford for the age of the car, Baekeland for the proliferation of plastic, that characteristic twentieth-century material.

In the editorial process, we have had to ask ourselves many impossible questions: which invention, for example, has had the greater effect on the way we live our lives day by day - the atom bomb or the photocopier? Only rarely do wars erupt and empires collapse, but the bric-a-brac of twentieth-century technology - Scotch tape, Velcro, board games, zippers - these are with us every day. So the answer is that both matter on different levels, and we have included the 'small' inventors alongside the rocket scientists, the nuclear physicists and the cosmologists.

No single work could say everything there is to say about the life of the century. There are many subjects we have left untouched, many important people and events whose significance is barely touched upon or merely implied. But none of this means that *Makers of the 20th Century* draws an incomplete or subjective picture of the past hundred years. Each one of our Makers has left a mark on this past century, and their legacy will carry into the twenty-first.

Jonathan Bastable & Hannah Charlton

Editors

May 1996.

System Requirements

Windows

Makers of the 20th Century needs at least a 486/33 PC running Windows 3.1 or Windows 95 with 8Mb of RAM. Your monitor should be set to a resolution of 640 x 480 pixels and be capable of displaying 256 colours. You will also need a double-speed CD-ROM drive and an MPC-compatible sound card.

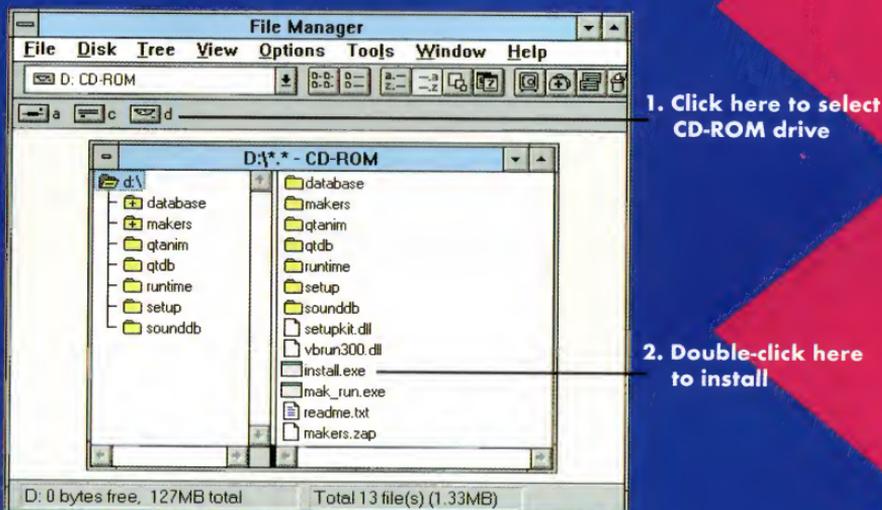
Macintosh

Makers of the 20th Century will run on a Macintosh with at least a 68030 processor (or any Power Macintosh) and 8Mb of RAM. You should be using System 7.1 or later, and both Sound Manager 3.2 and QuickTime 2.1 should be present and active in your Extensions folder. They are also provided on the CD-ROM and can be copied to your System Folder. Your monitor should be set to a resolution of at least 640 x 480 pixels and be capable of displaying 256 colours. You will also need a double-speed CD-ROM drive.

Installation

Windows 3.1

Makers of the 20th Century is supplied with its own installer, which will also install QuickTime for Windows 2.1.1 onto your PC.



Open the *Main* program group of the Program Manager and start File Manager by double-clicking it. Using File Manager, select the CD-ROM drive (usually drive d:) in the top left-hand corner of the window. Finally, double-click 'install.exe'.

Alternatively, you can select *Run* from the File menu of the Program Manager and type the letter of your CD-ROM drive followed by *install* at the command line, such as *d:install*.



1. Select **CD-ROM Disc** from **Start menu**

2. Double-click here to install

Select *CD-ROM Disc* from the *Start* menu and double-click *install.exe*. The installer will ask you to enter the letter of your CD-ROM drive. The default is d: - only change this if your PC's CD-ROM drive is different. Then, click *Continue*. You will then be asked where the application is to be saved on your hard disk. The default is to create a new directory called *Makers* on your c: drive - type in an alternative if you would like it to be saved somewhere else. Click *Continue* again. *Makers of the 20th Century* will then be installed.

QuickTime for Windows 2.1.1 will then be installed. This must be present for *Makers of the 20th Century* to operate properly. If you already have version 2.1.1 of QuickTime for Windows installed, you can exit the installer by clicking **Exit**.

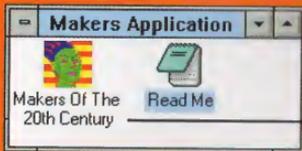
Macintosh

Makers of the 20th Century is ready to be used straight away. Insert the disc into your CD-ROM drive and you're ready to go! If your Macintosh does not have the latest versions of the Extensions required to run *Makers of the 20th Century*, these can be copied from the CD-ROM. Double-click *Files for System Folder...*, drag QuickTime, QuickTime PowerPlug and Sound Manger onto your System Folder and restart your Macintosh.

Getting Started

It is recommended that you have no other applications open when you run *Makers of the 20th Century*. Following the start-up sequence, you will find yourself at the Main Worlds screen, described on page 12.

Windows 3.1



Double-click here to start

To start *Makers of the 20th Century*, locate the *Makers Application* program group in the Program Manager and double-click the *Makers of the 20th Century* icon.

Windows 95



1. Select *Programs* from the Start menu

2. Select *Makers Application*

3. Select *Makers of the 20th Century*

To start *Makers of the 20th Century*, find the *Makers Application* on the Start menu and select *Makers of the 20th Century* from the sub-menu.

Macintosh



Double-click here to start

To start *Makers of the 20th Century*, double-click the *Makers of the 20th Century* icon in the *Makers* window which appears when the CD-ROM is inserted.

Using *Makers of the 20th Century*

Control Panel



Click for help

Click to quit

Wherever you are in *Makers of the 20th Century* you will find a Control Panel. This contains the **Help**, **Search** and **Quit** buttons. Search is described in detail on page 22.

Help

On-line help is available from anywhere in *Makers of the 20th Century*. Whenever you need help, click the **Help** button in the Control Panel. As you move the cursor around the screen with the mouse, you will be given guidance about how to proceed depending on the cursor's position. To switch off the on-line help, click anywhere on the screen.

Quit

When you want to quit, click the **Quit** button in the Control Panel. This will take you to the credits and acknowledgments screen. Click **Quit** again on this screen to exit, click **Credits** or **Acknowledgments** to view those screens, or, if you don't want to exit, click the **Worlds** button to go back into the CD-ROM.

Volume



Click to increase volume

Click to decrease volume

The volume control can be used when you want to change the sound level. The size of the image indicates the current volume setting.

To reduce volume, simply click within the word Volume. To increase volume, click above the word Volume. To adjust the volume more precisely, click and, holding down the mouse button, slide the cursor up or down as appropriate. The size of the image will change in proportion with the sound level.

Viewing Profiles

Each individual in *Makers of the 20th Century* has their own multimedia biography. These profiles contain thousands of documents: introductory biographies, newspaper articles, photographs, film clips, sound recordings, interesting facts, and famous quotes – all captioned and organised into chapters. These profiles can be accessed in three ways: through the interactive 'Worlds', and through the Search and Random Search mechanisms.



Click to view profile

In the interactive Worlds, whenever the cursor changes to a cross shape, you can click to view a profile.

Moving between Chapters



When a Maker's profile first appears, the available chapters will be listed. Click on the chapter that interests you. The current chapter heading, the number of documents and the number of the current document will be displayed. To move to a different chapter, click on the current chapter heading and the list of available chapters will be displayed again.

Moving between Documents

Click to return to world

Date of article

Item selection

Original source

Chapter selection

RUDOLF NUREYEV, 1938-1993, AUSTRIAN, EX RUSSIAN

THE TIMES Feb 22, 1962

EAST TO WEST 5 of 6

COMPLETE CONQUEST FOR MR. NUREYEV

In February 1962, a British audience had its first chance to see Fonteyn and Nureyev together when they danced "Giselle" at Covent Garden. Nureyev would make occasional technical lapses, but the sheer animal passion of his dancing always brought the house down.

accepted over the course of months many of the criticisms of its 1960 recension, and in its newly revised form last night, this production is now almost certainly the best outside Moscow.

Mr. Nureyev's portrayal of Albrecht proved convincing and subtle. The sly, charming villain of the first act, a feckless, dallying aristocrat, stood out as a delicately etched portrait. When this Albrecht was shocked into love by Giselle's madness and death, Mr. Nureyev contrived almost with one expression of heartfelt agony to suggest Albrecht's first realization of responsibility and pain. The manner in which he developed during a brief scene from mere petulance to heroic grief seemed to be ballet acting at its finest.

Flying fact

Back to previous page

Forward to next page

The screenshot shows a document viewer interface. At the top, there are three labels: 'Click to return to world', 'Date of article', and 'Item selection'. Below these are three columns of text: 'Original source' (THE TIMES), 'Date of article' (Feb 22, 1962), and 'Chapter selection' (EAST TO WEST 5 of 6). The main content area has a title 'COMPLETE CONQUEST FOR MR. NUREYEV' and two paragraphs of text. A 'Flying fact' box on the left contains a short summary. At the bottom, there are three navigation buttons: 'Flying fact', 'Back to previous page', and 'Forward to next page'. A small 'F' icon is visible in the bottom right corner of the document area.

When a chapter has been selected, the first document is displayed. To move to the next document, click the small triangular button below the documents indicator. To go back to the previous document, click the equivalent button above the indicator.

Many documents contain more than one page of information. To move to the next page of a document, click the F (forwards) button, which will appear if appropriate. The B (back) button can be used to move to the previous page of a document.

While you are studying a profile, 'Flying Facts' will move across the screen at random moments. Try to click on them before they disappear to bring up an interesting quote or fact about the current Maker. If you miss a flying fact, don't worry, it will come by again later.

When viewing a profile, you can return to the current World by clicking the button containing the name of the World.

Some documents contain film clips which are controlled by a single button. This changes shape to indicate what will happen when it is clicked. It can be used to start and stop the film clip.

Printing Articles

Any newspaper article can be printed by pressing P on the keyboard.

Exploring *Makers of the 20th Century*

Makers of the 20th Century is designed to be a voyage of discovery. Below are outlined some of the basic techniques required to navigate each of the interactive Worlds.

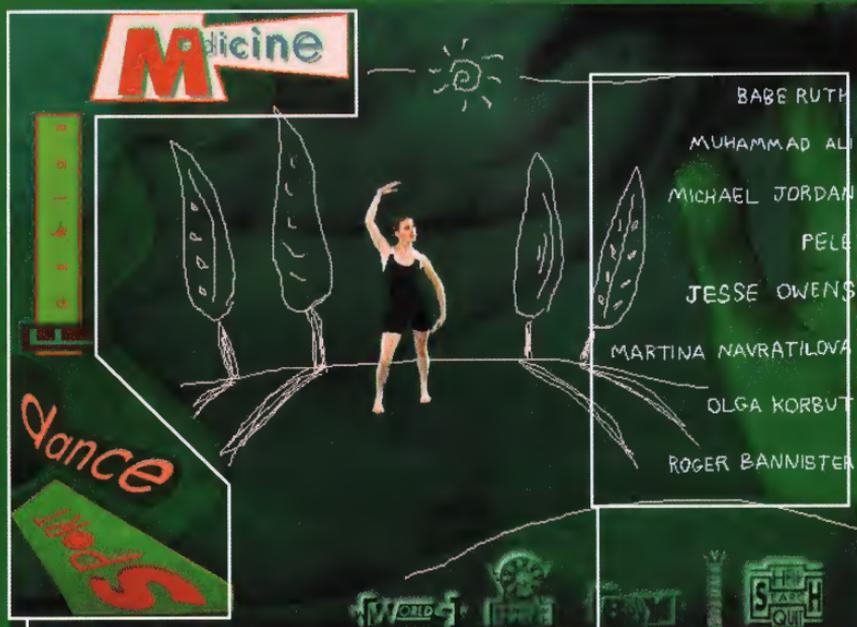
Main Worlds Screen



The Main Worlds screen is the first screen after the start-up sequence. Choose which World to explore by clicking one of the animated buttons. To find a specific Maker, click **Search** in the Control Panel or click the **Random Search** roulette wheel to browse through a parade of Makers. Details of these features can be found on pages 22 and 23.



You can return to the Main Worlds screen at any time by clicking the **Worlds** button which you will find on every screen.



1. Click a topic button

2. Click a name

The Body World includes makers from Medicine, Fashion, Dance and Sport. Each Maker is introduced by a marionette that can be brought to life at the click of a button. Click on one of the buttons on the left-hand side of the screen to choose a topic.

If you choose **Fashion**, **Dance** or **Sport**, you will see a list of Makers on the right. Click on a name and the marionette will perform accordingly.

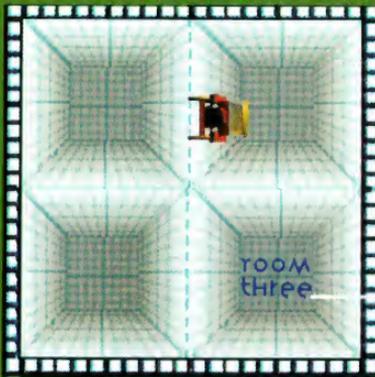
When the cursor is moved over the marionette or over the Maker's name, it will change to a cross. This means that another click will take you into that Maker's profile.



If you click the **Medicine** button, you will zoom in on the marionette's body, divided into regions, each representing a different **Maker**. As you move the cursor over these regions, it takes on a shape related to the **Maker** hidden within. Click once to reveal that **Maker's** name and an animation. The cursor will also change to a cross, indicating that another click will take you into that **Maker's** profile.

When you have finished looking at any animation or have returned from looking at a profile, you can click on a different **Maker's** name in the same topic or press another topic button. To return to the **Main Worlds** screen, click the **Worlds** button.

Design World



Click to select a room

In the Design World you will find Makers who have invented things that have changed our everyday lives. It is divided into four rooms. Move the cursor over the four squares to choose a room and click to enter it. Explore a room by moving the cursor around the screen.



Click to see animation

Whenever the cursor is moved over an area where a Maker can be found, it turns into a red eye. Click, and an animated object and a Maker's name will appear. The cursor will change shape to a cross. Click again to view that Maker's profile or move the cursor to find other Makers.



Click to change rooms

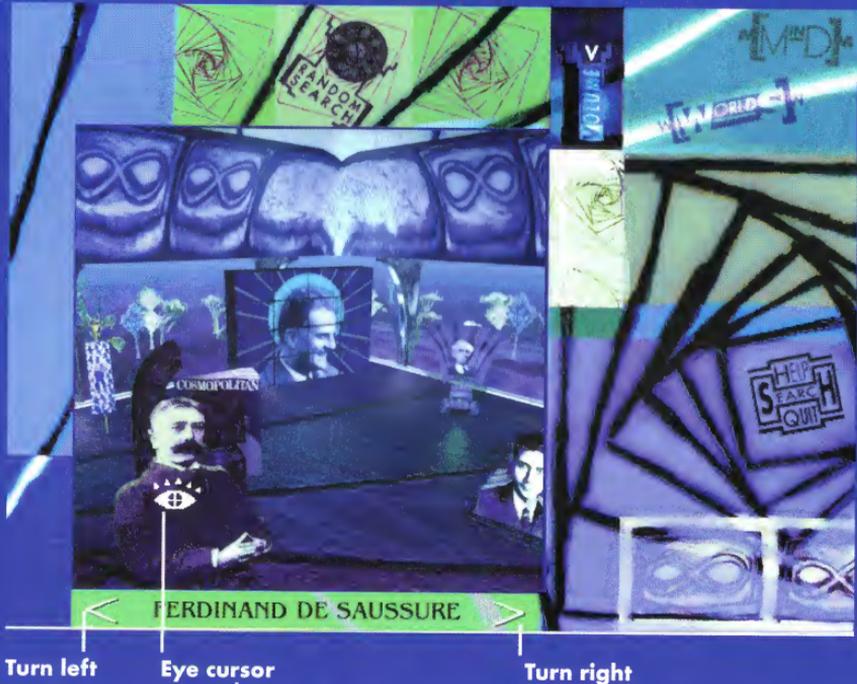
To change rooms click a number in the room selection button. The number of the current room is shown in red.

Discovery World



The Discovery World invites you to find the scientists and explorers of this century hidden in the darkness. Move the spotlight around the screen and uncover their secrets. When you see something intriguing, click to find out who you have discovered. The Maker's name will appear in the centre of the screen and a picture will appear. Click again to bring up their profile. Move the spotlight to the corners to find the standard control buttons.

Mind World



The Mind World is a three-dimensional space in which the great writers and thinkers of this century are assembled. You survey the room from the centre and can turn to your left or right by clicking the arrow buttons at the bottom of the screen.

Explore the current view by moving the cursor. Whenever the cursor is over an image representing a Maker, it will take on the shape of an eye, and the Maker's name will appear below.

When you have found someone interesting, keep clicking with the eye-shaped cursor to zoom in until a quotation animates. Click the cross cursor to view that Maker's profile. As you zoom in, the left arrow will change to a 'V'. Click it to go back to the central viewpoint.



Click to select a region

The politicians and business moguls of the Power World occupy five three-dimensional regions. Select a region of the world from the list on the right of the Main Globe screen.



After an introductory fly-through, explore the region to find the Makers by using the navigation buttons at the base of the screen. At any point the relevant navigation buttons will glow to show which way you can move.



You can also navigate by moving the cursor within the view and clicking. For example, to turn left, move the cursor to the left hand side of the view and click. The cursor will change shape according to which direction is available.

Move close to a Maker and their name is displayed and the cursor will take on the shape of a cross. Click again to view their profile.

Click the small globe to return to the Main Globe screen. Click the Worlds button to return to the Main Worlds screen.



Click the Overview button to see a map of the region. The locations of the Makers and the paths between them are shown. To jump directly to a Maker click on their name. Or, click the Power button to return without changing your position.

Senses World

In the Senses World, you need a good memory to match the cards! The Makers of art, film, theatre, music and food are spread among four decks of cards. Click A, B, C or D to choose a deck.



Click a letter to select a deck

Click to view profile

Click to find two matching cards

Each Maker in the deck has two cards. To view a Maker's profile, you need to find two matching cards – sometimes the two cards are not identical!

Click on the cards until you find a match. The Maker's name will now appear on the right and the cards will be placed in the column on the left. To view a profile click on an item in this column at any time. When you have matched all of the cards from a particular deck, select another by clicking on the A, B, C or D buttons.

Search

To find information about a particular Maker, click the Search button in the Control Panel. You can do this at any time.

The screenshot shows a search interface with a colorful, abstract background. At the top left, the word "SEARCH" is written in large, bold, red letters. Below it, there are eight search options listed vertically: "A to Z", "WORLDS", "NATIONALITY", "PROFESSION", "GENDER", "TIMELINE", "CONNECTIONS", and "IMAGES". To the right of these options is a vertical list of letters from A to U. A green rectangular box highlights a list of names: LEO HENDRIK BAEKELAND, ROGER BANNISTER, FREDERICK BANTING, BRIGITTE BARDOT, CHRISTIAAN BARNARD, THE BEATLES, SIMONE DE BEAUVOIR, DAVID BEN GURION, WILLIAM BERNBACH, BENAZIR BHUTTO, CLARENCE BIRDSEY, LASZLO BIRD, HUBERT CECIL BOOTH, HERBERT BOYER AND STANLEY COHEN, MARLON BRANDO, WILLY BRANDT, WERNHER VON BRAUN, BERTOLT BRECHT, HENRI CARTIER-BRESSON, and LEONID BREZHNEV. Four numbered instructions are at the bottom: 1. Select a search option (pointing to the search options), 2. Select a category (pointing to the letter list), 3. Select a Maker (pointing to the name list), and 4. Scroll list down (pointing to a small triangular button above the name list).

SEARCH

A to Z
WORLDS
NATIONALITY
PROFESSION
GENDER
TIMELINE
CONNECTIONS
IMAGES

A
B
C
D
E
F
G
H
J
K
L
M
N
O
P
Q
R
S
T
U

LEO HENDRIK BAEKELAND
ROGER BANNISTER
FREDERICK BANTING
BRIGITTE BARDOT
CHRISTIAAN BARNARD
THE BEATLES
SIMONE DE BEAUVOIR
DAVID BEN GURION
WILLIAM BERNBACH
BENAZIR BHUTTO
CLARENCE BIRDSEY
LASZLO BIRD
HUBERT CECIL BOOTH
HERBERT BOYER AND STANLEY COHEN
MARLON BRANDO
WILLY BRANDT
WERNHER VON BRAUN
BERTOLT BRECHT
HENRI CARTIER-BRESSON
LEONID BREZHNEV

1. Select a search option 2. Select a category 3. Select a Maker 4. Scroll list down

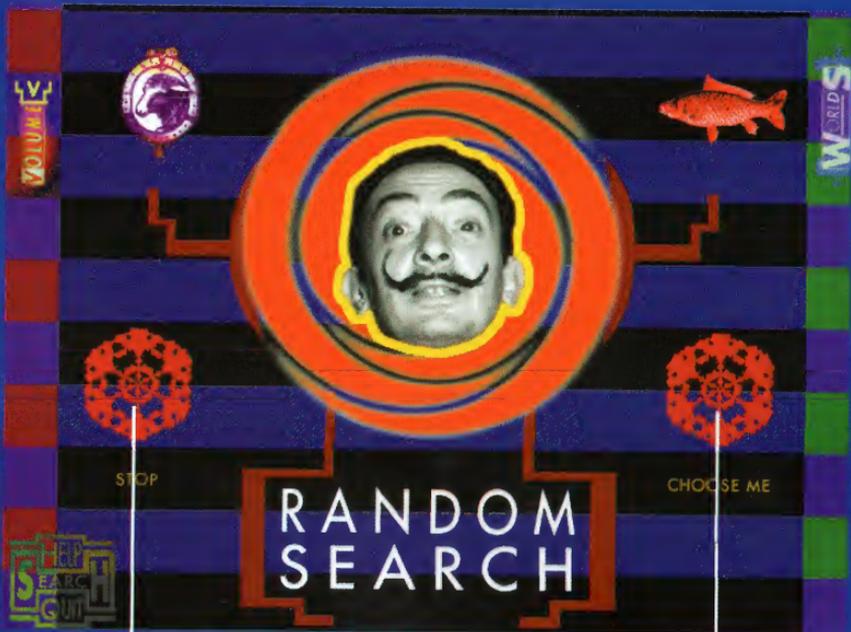
The Search window provides eight ways to find a Maker. Choose one from the left of the screen to see a list of categories. Click on a category to see a list of Makers, and click one of them to view their profile. If the list of categories or Makers is too long for the window, small triangular buttons are provided to scroll the list.

'Connections' groups Makers by interesting characteristics, like 'Young Achievers', 'Nobel prizewinners', or even star signs like 'Pisces'. 'Images' shows each Maker as they appear in their World and transports you directly to the Maker's position in a World.

Random Search

To browse through the personalities in *Makers of the 20th Century* at random go to the Random Search by clicking the roulette wheel.

Random search presents a parade of Makers in random order. Each Maker is illustrated with a graphic or photograph. Click the **Stop** button to display the name of the Maker. Then click **Continue** to re-start the random shuffle or **Choose Me** to view that Maker's profile.

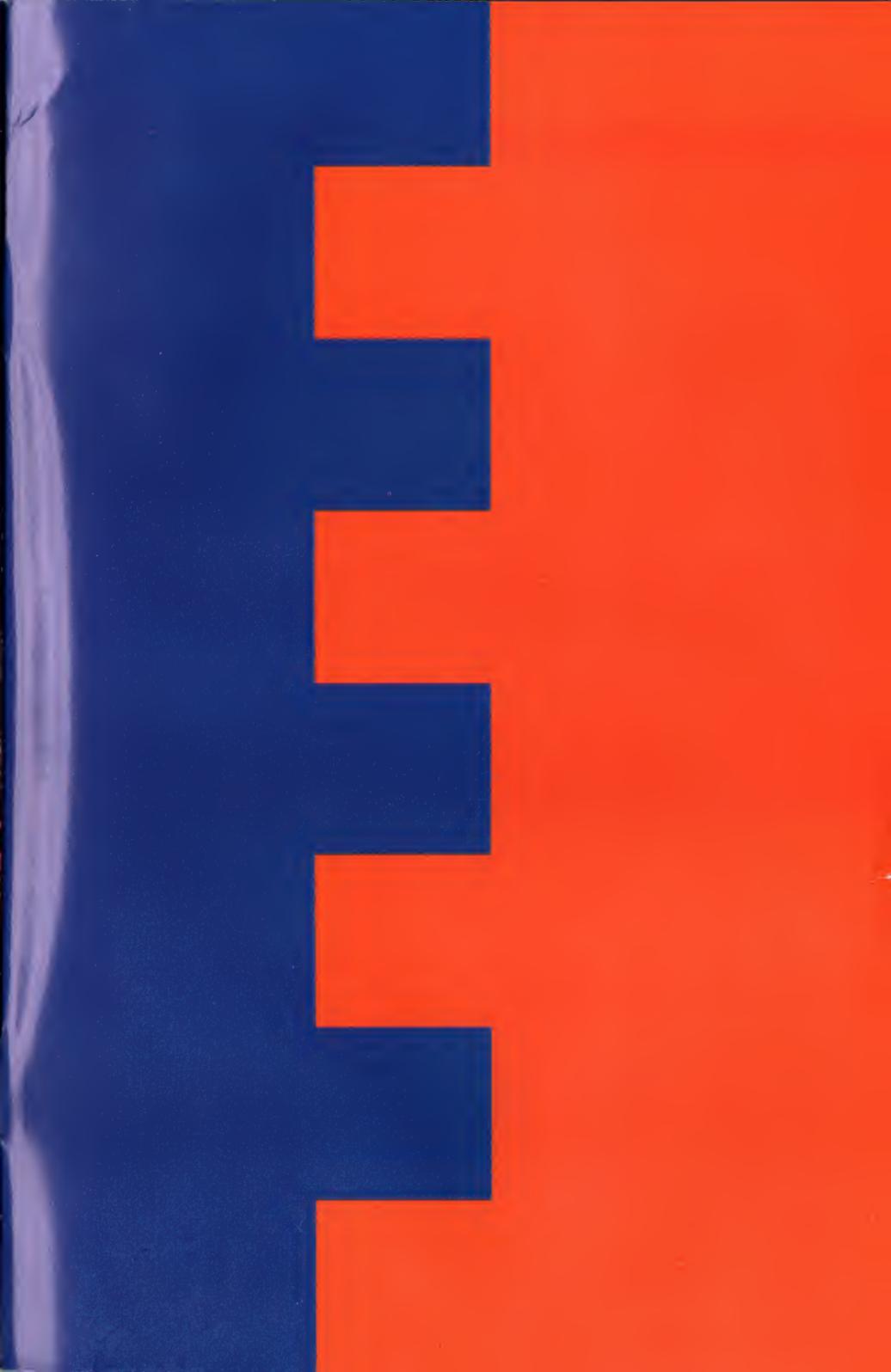


Click to pause

Click for profile

Handy Hints

- You can interrupt the starting sequence or a fly-through in the Mind or Power Worlds by double-clicking.
- Remember that, whichever World you are in, you enter a Maker's profile whenever the cursor is shaped like a cross.
- In the Design and Mind Worlds, when the cursor is eye-shaped, click to see who you have discovered.
- In the Discovery World, keep the cursor to the edges of the screen.
- When making decisions in the Senses and Design Worlds, remember that each deck of cards or room contains different Makers.
- Have you tried using the Connections option in the Search window? Find out how many Makers share your stars-sign.
- Dare you wander alone down Terror Alley in the Power World?
- Print a newspaper article in a profile by pressing P on your keyboard.
- See what the Makers were doing the year you were born by choosing the Timeline in Search.
- Use the Volume control on any screen to change the volume of the audio and video segments in the profiles.
- If you get lost in the Power World, click on the Overview for a map.



About News Multimedia

As part of News Corporation, one of the world's largest media companies, it is our aim to combine our recognised editorial strengths with the world-class archive of *The Times*, and the best in multimedia and computer games technology to produce CD-ROM titles which set new standards.

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News Multimedia
PO Box 5060
Leighton Buzzard
LU7 7ZQ

Tel: 01525 852813

Fax: 01525 372774

or visit our web site at:

www.newsmultimedia.co.uk

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