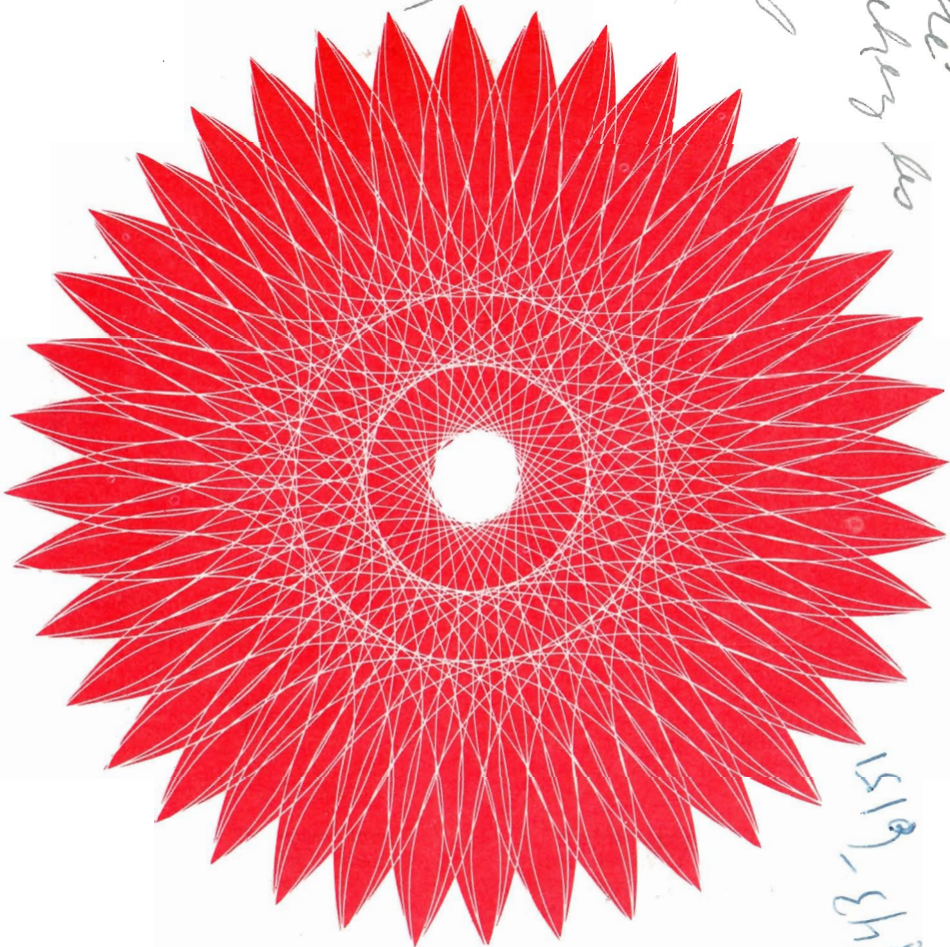


**insight 67**  
**connaissance**  
**67**

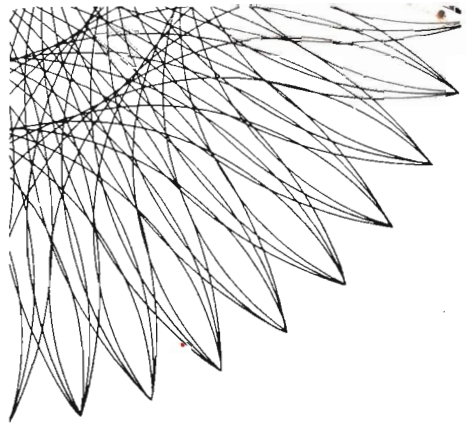
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## insight 67

an international programme  
of films on science at Expo 67

One of the most comprehensive and exciting programmes of its kind, INSIGHT 67 offers a look, through film, at the nature of the world we live in and the impact of modern technology on our lives.

INSIGHT 67 is presented for three hours each day in the DU PONT OF CANADA AUDITORIUM (number B.330 on the Expo Map), which is located next to Man the Explorer Pavilion and near the Scandinavian Pavilion. ÎLE SAINTE HÉLÈNE is the nearest stop for both Minirail and Montreal Metro transportation. Each page in this booklet describes one day's programme. The times of each programme are given at the top of the page in the 24 hour clock system. For information concerning future INSIGHT 67 programmes, write to:

INSIGHT 67,  
Canadian Film Institute,  
1762 Carling Avenue,  
Ottawa 13, Ontario.  
Telephone: (613) 729-6193

*Insight 67 is sponsored by the  
National Research Council and  
organised by the National Science  
Film Library, Canadian Film Institute.*

## connaissance 67

programme international de films  
scientifiques présenté à l'EXPO 67

Programme des plus complets et des plus captivants en son genre, CONNAISSANCE 67 jette un coup d'œil sur la nature du monde où nous vivons et sur les répercussions que la technologie moderne exerce sur nos vies.

CONNAISSANCE 67 est présenté pendant trois heures, chaque jour, à l'AUDITORIUM DU PONT DU CANADA (consulter la carte de l'Expo no. B330) qui est situé à côté du pavillon l'Homme Explorateur et près du pavillon scandinave. L'arrêt le plus approprié, si l'on emploie le métro ou le minirail, est l'ÎLE SAINTE HÉLÈNE. Chacune des pages de cette brochure décrit le programme complet d'une journée. Les heures de chacun des programmes sont inscrites, au haut de la page, selon le système du temps universel. Pour obtenir des renseignements au sujet des programmes à venir de CONNAISSANCE 67, prière d'écrire à:

CONNAISSANCE 67,  
Institut canadien du film,  
1762 avenue Carling,  
Ottawa 13, Ontario.  
Téléphone: (613) 729-6193

*Connaissance 67 est offert par le  
Conseil National de Recherches et  
organisé par la Cinémathèque  
Nationale Scientifique, Institut  
canadien du film.*

Sunday, April 30  
Dimanche, le 30 avril  
19:00 - 22:00 hrs.

THE FACES OF MAN

Tous les films suivants sont en versions anglaises.  
All the following films are in English versions.

---

RIVERS OF TIME 25 mins. colour

This film traces the rise and fall of the dynasties which inhabited the valley of the Tigris and Euphrates, from the Sumerian epoch, through the later expansion of Arabic culture in the area, to the present day.

Britain 1957 produced by Sinclair Road

THE LONGHOUSE PEOPLE 24 mins. colour

The life and religious ceremonies of the Longhouse people - Iroquois Indians who adhere to the old religion, and who still maintain a link with the past by observing the customs and beliefs of their forefathers.

Canada 1950 produced by National Film Board  
of Canada

ARE THERE ONLY WRITTEN DOCUMENTS? 35 mins. colour

A film dealing with important archaeological excavations in Czechoslovakia and the modern research methods used by Czechoslovak archeologists.

Czechoslovakia 1965 produced by Archeological Institute,  
Czech Academy of Sciences

DEAD BIRDS 83 mins. colour

A film about the Dani, a people dwelling in the Grand Valley of the Baleim high in the mountains of Western New Guinea. They are exceptional in having focussed their energies and based their values on an elaborate system of intertribal warfare and revenge.

U.S.A. 1963 produced by Robert Gardner, Peabody  
Museum Film Study Center

Monday, May 1  
Lundi, le 1er mai  
19:00 - 22:00 hrs.

DÉCOUVERTE DE LA NATURE

All the following films are in French versions.  
Tous les films suivants sont en versions françaises.

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FILS D'ARGENT

17 mins. couleur

Ce regard attachant sur l'univers des araignées, décrit la vie de ces utiles insectes, l'art complexe et renversant de l'araignée fileuse et les nombreux soins dont elle entoure ses petits.

Hongrie 1960

produit par Hungarofilm

CHAMPIGNONS MICROSCOPIQUES

17 mins. couleur

Une caméra, reliée à un microscope, révèle en couleur l'étrange et fascinant univers des parasites saprophytes, ces champignons microscopiques qui jouent un grand rôle dans notre vie.

Canada 1960

produit par l'Office National du Film

DANSEUSES DE LA MER

19 mins. couleur

Comparaison de la locomotion des étoiles de mer et des ophiures. Constitution de l'ophiure, nutrition, reproduction. Comatules vivant dans les algues: constitution, éléments reproducteurs, évolution de la forme fixée de la jeune comatule jusqu'à la forme libre.

France 1962

produit par Jean Painlevé et G. Hamon

LES VAMPIRES

9 mins. n & b

Description et comportement d'une chauve-souris sanguinivore d'Argentine, attaque du cobaye, succion parasites transmis.

France 1945

produit par Jean Painlevé

ENTRÉE LES MAREES

22 mins. couleur

Ce film dévoile la vie intéressante des plantes et des animaux qui n'est toujours visible à l'oeil nu et qui s'agite dans les flaques d'eau, les eaux peu profondes et parmi les endroits fréquentés par certains oiseaux de mer de Grande-Bretagne à l'époque de la reproduction.

Grande-Bretagne 1958

produit par British Transport  
Films

LE GUÉPIER D'EUROPE

15 mins. couleur

Caractéristiques de l'oiseau. Défense des perchoirs. Creusement des nids. Parade nuptiale. Alimentation des jeunes.

France 1963

produit par le Service du Film  
de Recherche Scientifique

LE DRAGON DE KOMODO

18 mins. couleur

Grand reportage réalisé, au cours de l'expédition Apolayan, sur un énorme lézard qui peut atteindre quatre mètres de longueur: le Varanus Komodoensis.

France

produit par G. Bourdelon

INVISIBLES ENNEMIS

32 mins. couleur

Réalisé en collaboration avec l'Organisation Mondiale de la Santé, ce film décrit comment le développement du microscope a permis aux hommes de découvrir les microbes, agents de maladies de nature infectieuse, telles que la lèpre et la malaria.

Grande-Bretagne 1959

produit par Michael Clarke,  
Shell Film Unit

SUPERBE OISEAU-LYRE

10 mins. couleur

Ce film est un précieux document qui enregistre scientifiquement les cris et réponses des oiseaux-lyre et met en montre ce rare oiseau-chanteur.

Australie 1963

produit par C.S.I.R.O. Film  
Unit

Tuesday, May 2  
Mardi, le 2 mai  
14:00 - 17:00 hrs.

SCIENCE IN THE SIXTIES

Tous les films suivants sont en versions anglaises.  
All the following films are in English versions.

---

DESTINATION MAN 19 mins. colour

An absorbing account of recent aero-space medical activity, imaginatively photographed and with a musical score especially written for the film.

U.S.A. 1965 produced by U.S. Information Agency

1 + 1 = 10 10 mins. colour

A brief description of the working of computers.

Italy

EYE FOR ISOTOPES 27 mins. colour

Shows new techniques in the use of radioisotopes for measuring, tracing and control. Winner of several film awards.

Britain 1964 produced by World Wide Pictures Ltd.  
for United Kingdom Atomic Energy

WINDOW INTO SPACE 21 mins. colour

The film explains how radio signals from space are collected in the giant dish of the CSIRO's giant radio telescope at Parkes in New South Wales. Winner of four Film Awards.

Australia 1966 produced by C.S.I.R.O. Film Unit

MYSTERIOUS 102

mins. colour

Research in the Soviet Union leading to the discovery and identification of a new element - Number 102.

U.S.S.R. 1966 produced by

MEETING IN SPACE

10 mins. colour

Documentary of the successful flights of Gemini 4 and Gemini 6, capturing all the drama and excitement of this longest manned space flight in history and the rendez-vous of the two ships.

U.S.A. 1966 produced by U.S. Information Agency

THE STORY OF CAMP CENTURY - CITY UNDER THE ICE 32 mins. colour

This film concerns the construction by Army Engineers of Camp Century, a nuclear-powered U.S. Army arctic research laboratory buried below the Greenland ice cap.

U.S.A. 1961 produced by U.S. Army Pictorial Center

THE MAGIC TAPE

25 mins. colour

"The Magic Tape" is a fascinating tale of the myriad uses of tape recording in our society. Presented at several film festivals.

G.F.R. 1961 produced by B.A.S.F.



Wednesday, May 3  
Mardi, le 3 mai  
14:00 - 17:00 hrs.

THE INHERITANCE

Tous les films suivants sont en versions anglaises.  
All the following films are in English versions.

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THE PERFECTION OF MATTER 21 mins. colour

Filmed in the ancient city of Fez, Morocco, this film is about the ideas and traditions of the alchemists and their contribution to the development of modern science.

Britain 1963 produced by the Nuffield Foundation  
Film Unit for the History of Ideas

THE MYSTERY OF STONEHENGE 57 mins. colour

The film presents an account of Stonehenge, a prehistoric stone monument in England, and tests the theory that Stonehenge was built as an observatory and a computer.

U.S.A. 1965 produced by C.B.S. Television

A LIGHT IN NATURE 35 mins. colour

This film, which was produced for the Tercentenary celebrations of the Royal Society in London, shows how modern science has stemmed from the experimental philosophy of the 17th century.

Britain 1960 produced by Shell Oil Film Unit

ONE... TWO... THREE 11 mins. colour

An exuberant animation film tracing the history of a truly universal language - mathematics - from its earliest origins.

Hungary/UNESCO 1965 produced by Hungarofilm for UNESCO



BEFORE SATURN

15 mins. colour

The history of the development of rockets from early Chinese use up to and including the giant Saturn Launch booster.

U.S.A. 1962

produced by NASA George C. Marshall  
Space Hight Center

A SHORT HISTORY

11 mins. colour

Winner of awards at Cannes, Brussels and Venice, this delightful animated film presents the origins and development of life on earth in a humorous, yet subtly moving way.

Roumania 1962

produced by Romfilm

THE YEARS OF ADVENTURE

20 mins. colour

A cavalcade of early motoring.

Britain 1964

produced by Shell Film Unit

Thursday, May 4  
Jeudi, le 4 mai  
14:00 - 17:00 hrs.

PULSE OF LIFE

Tous les films suivants sont en versions anglaises.  
All the following films are in English versions.

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BETHUNE

58 mins. b & w

Norman Bethune was a doctor, thinker and philosopher, but above all else he was a humanitarian whose driving force made him almost fanatical in his love of action. His legend will live forever in China, where they call him "the White-One Sent".

Canada 1964

produced by National Film Board of  
Canada

DESTINATION MAN

19 mins. colour

An absorbing account of recent aero-space medical activity, imaginatively photographed and with a musical score especially written for the film.

U.S.A. 1965

produced by U.S. Information Agency

FRONTIERS OF THE MIND

51 mins. b & w

A documentary report on advanced research into the complexities of the human mind. Filmed at universities throughout America, it depicts fascinating experiments which seek to learn the physical basis of human behaviour.

U.S.A. 1965

produced by David L. Wolper Pro-  
ductions

STRESS

18 mins. colour

Shows the mental and physical effects of the everyday stress of modern living.

Sweden 1962

produced by Centralfilm for  
Åtvidabergs Industrier

IN PURSUIT OF CANCER CELLS

22 mins. colour

This film examines the problem of how cancer is produced and discusses what can be done to conquer the disease by depicting some of the achievements in research on cell behaviour.

Japan 1961

produced by Tokyo Cinema Co.

Friday, May 5  
Vendredi, le 5 mai  
14:00 - 17:00 hrs.

THE ATOM AND BEYON

Tous les films suivants sont en versions anglaises.  
All the following films are in English versions.

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- EYE FOR TOMORROW 15 mins. b & w
- Shows the Müller Field Ion Microscope, the most powerful microscope in the world, which has a 3,000,000 x magnification and can reveal even the arrangement of atoms.
- U.S.A. 1966 produced by CENCO educational Films
- GROWTH OF FIBROUS ICE ON LIMESTONE 2 mins. colour
- Time-lapse record of a laboratory experiment in which fibrous ice is shown growing continuously from surface orifices in a porous limestone, over periods of up to 5 days.
- Britain 1961
- THE WORLD'S LARGEST ELECTRON MICROSCOPE 22 mins. colour
- Description of the installation and operation of the giant electron microscope built in Toulouse.
- France 1965
- A STUDY OF CRYSTALS 17 mins. colour
- A brilliant micro-photographic study of the sublimation of crystals using both ordinary and polarised light.
- U.S.A. 1961 produced by Journal Films
- THE DOUBLE BOND 28 mins. colour
- An account of large-scale production of petroleum chemicals in Britain and their utilisation for further chemicals and plastics manufacture.
- Britain 1961 produced by Greenpark Productions for the Distillers Company

ALKATHENE - THE ADVENTUROUS YEARS

35 mins. colour

The development of polythene since its discovery by I.C.I. in 1933 to the production of Alkathene HD in 1956.

Britain 1962

produced by Cecil Mosk Productions  
for I.C.I.

THE MCARTHUR MICROSCOPE

18 mins. colour

The small hand-sized McArthur microscope seen in use for different purposes at sea, in the jungle and attached to a television camera.

Britain 1964

produced by MacQueen Film Organisation

TWO CUBIC CENTIMETRES OF LIFE: NATURE AND CHEMISTRY

30 mins. colour

Lives of thousands of people are saved daily by natural substances produced in forms of crystals. This film, winner of numerous awards, shows how the chemical-pharmaceutical industry reconstitutes some of these substances synthetically and how they, in addition, produce new efficacious substances which do not occur naturally.

G.F.R. 1966

produced by Leonaris Film

FORMATION OF CRYSTALS FROM AN AMORPHOUS PRECIPITATE

9 mins. b & w

High speed photography shows the formation of colloidal precipitates and the development of various crystals from these.

France 1937

produced by Drs. Comandon and Forbrune,  
Institut Pasteur

CAST IN A NEW MOULD

10 mins. colour

This film, winner of a festival award, tells the story of a sculptor's use of plastic which has revolutionised the intricate work of casting in metal.

Britain 1964

produced by Michael Heckford  
for Shell Oil

Saturday, May 6  
Samedi, le 6 mai  
10:00 - 12:00 hrs.  
15:00 - 16:00 hrs.

A LIGHT IN NATURE

(Junior Science)

Tous les films suivants sont en versions anglaises.  
All the following films are in English versions.

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ANIMALS IN WATER

28 mins. b & w

Looks at two kinds of animals - those which always live in water and those which can leave and return to water.

Canada 1965

produced by Canadian Broadcasting Corporation Science Unit

THE SEALS OF MACQUARIE ISLAND

13 mins. colour

Describes in detail the life of the elephant seals which have returned to Macquarie Island after having been virtually wiped out by the earlier sealers.

Australia 1959

produced by C.S.I.R.O. Film Unit

WATER IN BIOLOGY

22 mins. colour

Water provides a stable environment for all biological activity. This film shows the various ways in which water is used by living things and the importance of water economy in land animals. Festival Award Winner.

Britain 1965

produced by Worldwide Pictures for Unilever

ANIMAL LEARNING

28 mins. b & w

One of the CBC's popular "Animals and Man" TV series showing animal learning abilities.

Canada 1965

produced by Canadian Broadcasting Corporation Science Unit

THE SEA OTTER

11 mins.

Describes distribution and habitat of the California sea otter showing feeding habits and problems of reproduction and survival.

U.S.A. 1962

produced by Arthur Barr Productions

FISH, MOON AND TIDES - THE GRUNION STORY

15 mins. colour

In the coastal waters of Southern California, lives a small fish with an unusual spawning pattern - it breeds on land in a pattern which follows the phases of the moon. Festival Award winner.

U.S.A. 1965

produced by Academy Films

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SURVIVAL AT SEA: THE LIFE CYCLE

29 mins. colour

Traces the life cycle existing between plant and animal life beneath the sea.

U.S.A. 1962

produced by National Educational Television

THE NORTHERN ELEPHANT SEAL

16 mins. colour

A colony of seals in the Channel Islands near Los Angeles is shown during mating season. The dominant male with his large harem of females maintains the structure of the herd.

U.S.A. 1961

produced by Dr. R.A. Boolootian,  
University of California



The following programmes will be presented next week.  
 Les programmes suivants seront présentés pendant la semaine  
 prochaine.

Sunday, May 7 Dimanche, le 7 mai 14:00 - 17:00 hrs.	<u>THE SEARCHING MAN</u> A Walk in the Forest Attention Weightlessness Antarctic Crossing The Wildcat Roald Amundsen	Britain U.S.S.R. Britain Netherlands Norway
Monday, May 8 Lundi, le 8 mai 19:00 - 22:00 hrs.	<u>SPECIAL PROGRAMME FOR NORANDA LECTURE: TERRE DES HOMMES</u> The Beautiful Land Alaskan Earthquake, 1964 The Hidden Earth The Birth of an Island Eruption of Kilauea 1959-60 From Pelvoux to Viso	Japan U.S.A. U.S.A. Iceland U.S.A. France
Tuesday, May 9 Mardi, le 9 mai 14:00 - 17:00 hrs.	<u>JOURNEE NATIONALE: BELGIQUE</u> Aquarama Vésale Val St. Lambert Plastiques Les Dieux du Feu L'Age du Verre BR - 3 Aquarium	Belgique Belgique Belgique Belgique Belgique Belgique Belgique Belgique
Wednesday, May 10 Mercredi, le 10 mai 19:00 - 22:00 hrs.	<u>SCIENCE AND SOCIETY</u> Automania 2000 The Name of the Cloud is Ignorance River with a Problem Element 3 The Rival World Clean Air is a Breeze	Britain India  Canada Canada Netherlands Britain
Thursday, May 11 Jeudi, le 11 mai 19:00 - 22:00 hrs.	<u>SCIENCE IN THE SIXTIES</u> Electrons in Harness Matter in Question Frontiers of Friction Of Men and Matter The Theta Pinch Research Centre SECAM - colour television	Britain France Britain U.S.A. G.F.R.  France

Friday, May 12	<u>AUSTRIAN NATIONAL DAY</u>	
Vendredi, le 12 mai	Destination Unknown	Austria
19:00 - 22:00 hrs.	Noble Prize Winner, Victor Frans Hess	Austria
	The Other Side of Austria	Austria
	New Guinea 1904 - 1906	Austria
	The Living Cell, I & II	Austria
	Microbiological Studies of Water Flow	Austria
Saturday, May 13	<u>ATOM AND BEYOND (JUNIOR SCIENCE)</u>	
Samedi, le 13 mai	Alkathene	
10:00 - 12:00 hrs.	The Adventurous Years	Britain
	Science - Seedbed of Industry	Canada
	Detergents Up to Date	Britain
	The Information Explosion	U.S.A.
	AWETA	G.F.R.
15:00 - 16:00 hrs.	Discovery: Penicillin	Britain
	The Poetry of Polymers	U.S.A.
	The International Atom	U.S.A.

## THEMES

Approximately half the programmes are designed for general audiences and bring together films in related scientific areas:

**The Atom & Beyond**: films on the physical sciences. **The Faces of Man**: anthropology, ethnology and archeology. **The Inheritance**: the history of science and technology and the scientific progress of mankind.

**Land, Sea & Air**: explores the physical nature of the world we live in. **Light in Nature**: reveals through film the secrets of plant life & animal behaviour.

**Man & Technology**: engineering & technology and the applied results of scientific research. **Mind Over Matter**: films on great scientists and the scientific method. **Of Stars & Man**: astronomical research, the solar system and the structure of distant galaxies. **Pulse of Life**: medicine, health, pharmacy, bacteriology, psychology, psychiatry. **The Revealing Eye**: retrospective programmes on the scientific film, its techniques and the work of celebrated scientific film makers. **The Road to Yesterday**: historical discoveries made through archeology & paleontology. **Science & Society**: how science aids society, with food & population problems, and some of the effects of technological developments. **Science in the Sixties**: the astounding scientific developments of this era: computers, atomic energy, astronautics, communications and lasers.

**The Searching Man**: is seen participating in polar research, explorations into space, oceanography and mining. **EXPO NATIONAL DAYS** Programmes illustrating each country's scientific & technological achievements. **JUNIOR SCIENCE LECTURES** Lectures for high school and junior college students will be held each Saturday from 13:00—15:00 hrs. throughout Expo. Special film programmes will be presented from 10:00—12:00 hrs. and 15:00—16:00 hrs. **SCIENTIFIC CONFERENCES** Programmes of a specialised nature for scientists will be correlated with conferences of professional societies. Details of these programmes will be announced later. Specialised medical film programmes are restricted to professional audiences.

## NORANDA LECTURES

Film programmes will be co-ordinated with the Noranda Lectures by distinguished scientists in the Du Pont Auditorium. These programmes are primarily for those attending the lectures but are also available to the public.

## THEMES

A peu près la moitié des programmes s'adressent au grand public et portent sur des domaines scientifiques apparentés.

**Atome et au-delà**: les sciences physiques. **L'Homme et ses multiples visages**: anthropologie, ethnologie et archéologie. **L'Héritage**: science, technologie et progrès scientifique de de l'humanité. **La Terre, la mer et l'atmosphère**: nature physique du monde où nous vivons. **Découverte de la nature**: secrets de la vie des plantes et du comportement animal.

**L'Homme et la technologie**: génie, technologie et applications de la recherche. **Esprit et matière**: savants célèbres et méthode scientifique. **Des étoiles et des hommes**: recherche astronomique, système solaire, composition des galaxies. **Le Rythme de la vie**: médecine, santé, pharmacologie, bactériologie, psychologie, psychiatrie.

**La Science se regarde**: retour sur le cinéma scientifique, ses techniques et l'oeuvre de célèbres cinéastes scientifiques. **Aux sources de l'histoire**: découvertes historiques de l'archéologie et de la paléontologie. **Science et société**: problèmes d'alimentation et de population et progrès technologique. **La Science durant les années 60**: ordinateurs, énergie atomique, découvertes des astronautes, communications et lasers. **L'Homme chercheur**: recherches polaires, exploration de l'espace, océanographie et minéralogie.

**JOURNÉES NATIONALES DE L'EXPO** Projections sur les progrès techniques et scientifiques de chaque pays.

## CONFÉRENCES SCIENTIFIQUES POUR LES JEUNES

Conférences pour les jeunes du secondaire et des collèges chaque samedi 13:00—15:00 hrs. durant les 6 mois de l'EXPO. Projections spéciales: 10:00—12:00 hrs. et 15:00—16:00 hrs.

**CONFÉRENCES SCIENTIFIQUES** Projections spéciales destinées aux savants et rattachées aux conférences de sociétés professionnelles. Détails à venir. Projections de films médicaux réservés aux praticiens.

## CONFÉRENCES NORANDA

Projections rattachées aux conférences Noranda données par des savants à l'Auditorium Du Pont. Destinées aux auditeurs des conférences (accessibles aussi au public).