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*Royal College of Surgeons of England,
Lincoln's Inn Fields.*

Telephone: Holborn 3474.

Telegram: Collesurg, Holb, London.

Cables: Collesurg, London.

London, W.C.2.

With the Assistant Secretary's Compliments.

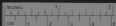
Dr Sol Tax

Dept of Anthropology
University of Chicago

Chicago 37

original archives
submitted 24-8-61.
accepted PRES 11-9-61





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ON
THE ORIGIN OF SPECIES

BY MEANS OF NATURAL SELECTION,

OR THE
PRESERVATION OF FAVOURED RACES IN THE STRUGGLE
FOR LIFE.

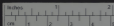
By CHARLES DARWIN, M.A.,

FELLOW OF THE ROYAL, ANTIQUARIAN, LINNEAN, ETC., SOCIETIES;
AUTHOR OF 'JOURNAL OF RESEARCHES INTO THE NATURAL HISTORY AND GEOLOGY OF THE VOYAGE
AROUND THE WORLD.'

LONDON:
JOHN MURRAY, ALBEMARLE STREET.
1859.

The right of Translation is reserved.

CHICAGO:
THE UNIVERSITY OF CHICAGO
1959



GENERAL INFORMATION

The registration and information desk is located in the North Lounge of the Reynolds Club, 5706 South University Avenue. It will be open from 8:30 to 5:00 from Monday, November 23, to Saturday, November 28. Registrants should make seating arrangements for the Centennial and Thanksgiving dinners at the seating desk next to the registration desk.

Tickets for "Time Will Tell" are on sale at the Reynolds Club Box Office. All other Centennial events are limited to persons who have registered in advance. Admission to all events will be by ticket only.

Special programs will be distributed for the panel discussions, the Institute for High School Biology Teachers, and "Time Will Tell."

The Society for the Study of Evolution is holding its annual meeting during the Celebration, with headquarters at the Shoreland Hotel. Its sessions are listed in a separate program.

To reach a wider audience The Encyclopaedia Britannica Films, Inc., is filming the Celebration events to develop documentary films and educational material for distribution among groups unable to attend. WUCB, the student-operated campus radio station, is tape-recording the panel discussions and lectures and broadcasting these through closed circuit to Breasted Hall for the audience there. The University of Chicago Press is publishing the centennial papers and the panel discussions as a three-volume work titled *Evolution after Darwin* and edited by Sol Tax.

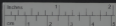
Transportation is available by taxi (Yellow Cab, Midway 3-8650); Emery-Drexel Livery service (FAIRfax 4-6400); Chicago Transit Authority bus running east-west on 55th Street (CTA bus #55); and Illinois Central commuter train to the Loop.

Chartered bus service directly to and from the Shoreland and the Windermere hotels will be available to registrants from Tuesday through Saturday. Tickets must be purchased in advance. Registrants are advised to purchase a supply of tickets (25 cents each) at once (money will be refunded for those unused) and to plan to use the bus early to avoid waiting, congestion, and loss of reserved seats at sessions. Breakfast at Hutchinson Commons will be found to be especially convenient.

CAFETERIAS

	BREAKFAST	LUNCH	DINNER
HUTCHINSON COMMONS OR COFFEE SHOP	7:15— except Thursday	11:30-1:30 except Thurs- day and Saturday	Monday, Wednesday, Saturday 5:15-7
BELLINGS HOSPITAL	6:30-9:30	11-1:30	5-6:45
INTERNATIONAL HOUSE	7-9:30 Thursday: 8-9:30	11:45-1:30 Thursday: noon-2*	except Saturday 5:15-7 Thursday: 5-7*

* International House is serving on Thanksgiving Day for the convenience of Centennial Registrants before and after the Convocation.

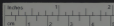


THE UNIVERSITY OF CHICAGO
DARWIN CENTENNIAL
CELEBRATION



NOVEMBER 24-28, 1959

Joining the University in sponsoring the Darwin Centennial Celebration are the National Science Foundation, the Wenner-Gren Foundation for Anthropological Research, and the National Institutes of Health. The first two have contributed transportation and living expenses for the participants; the third, costs of the panel discussions.



COMMITTEE
for the
DARWIN CENTENNIAL CELEBRATION

SOL TAX, *Chairman, Department of Anthropology*
ALFRED E. EMERSON, *Department of Zoology*
CHAUNCY D. HARRIS, *Department of Geography*
EVERETT C. OLSON, *Department of Geology*
H. BURR STEINBACH, *Department of Zoology*
ILZA VEITH, *Department of Medicine*

Appointed by the Chancellor in January 1956, the original Committee included also KARL P. SCHMIDT of the Chicago Natural History Museum, as Editor, and ROBERT REDFIELD of the Department of Anthropology. The planning for the Centennial was in large part their creation and was far advanced before the deaths of Dr. Schmidt on September 27, 1957, and of Professor Redfield on October 16, 1958.

FRANÇOIS BORDES, SIR JULIAN HUXLEY, and A. L. KROEBER, visiting Professors in the University during the Autumn Quarter, 1959, helped the Committee and other participants to plan the panel discussions.

CHARLES CALLENDER, *Conference Director*

MARIE-ANNE HONEYWELL, *Conference Secretary*
JEAN DAMES and ROSE WEINER, *Assistants*

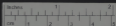
ROCHELLE DUBNOW, *Director of volunteer work by students*
MARIANNA TAX, *Assistant*

INSTITUTE AND NATIONAL CONFERENCE FOR HIGH SCHOOL BIOLOGY
TEACHERS

RICHARD BOYAJIAN, *University High School*
Director of the Institute

JOHN C. MAYFIELD, *the College*
Director of the National Conference

Committee: G. ERNST GIESECKE and D. BOB GOWIN, *Graduate School of Education*; BARBARA F. PALSER, *Department of Botany*; HEWSON H. SWIFT, *Department of Zoology*.



TUESDAY
NOVEMBER 24

1:30 P.M.
MANDEL HALL

ISSUES IN EVOLUTION—"INTRODUCTION"
SOL TAX

2:00 P.M.
MANDEL HALL

ISSUES IN EVOLUTION—II: "THE ORIGIN OF LIFE"

Panel Discussion

Chairmen: HARLOW SHAPLEY and HANS GAPPON

SIR CHARLES GALTON DARWIN
TH. DOBZHANSKY
EARL A. EVANS, JR.
G. F. GAUSE

RALPH W. GIEARD
H. J. MULLER
C. LADD PROSSER

6:00 P.M.
HUTCHINSON COMMONS AND COFFEE SHOP

CENTENNIAL DINNER

Presiding: CHAUNCY D. HARRIS, Dean, Division of Social Sciences

The Citizens Board of the University of Chicago will join the after-dinner program. Other registrants are invited to the limit of seating capacity.

8:30 P.M.
MANDEL HALL

WELCOME

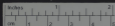
LAWRENCE A. KIMPTON, Chancellor, *University of Chicago*

"THE DARWIN CENTENNIAL CELEBRATION"

SOL TAX

"DARWIN THE TRAVELLER"

SIR CHARLES GALTON DARWIN



WEDNESDAY

NOVEMBER 25

9:45 A.M.

MANDEL HALL

ISSUES IN EVOLUTION—II: "THE EVOLUTION OF LIFE"

Panel Discussion

Chairmen: SIR JULIAN HUXLEY and ALFRED E. EMERSON

DANIEL I. AXELROD

TH. DOBZHANSKY

R. B. FORD

ERNST MAYR

A. J. NICHOLSON

EVERETT C. OLSON

C. LADD PROSSER

G. LEDYARD STERBENS

SEWALL WRIGHT

2:45 P.M.

MANDEL HALL

"THE LADDER OF LIFE"

Advance showing of a film on "evolution in action"

Prepared by the Columbia Broadcasting System

for broadcast on CONQUEST November 29

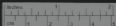
3:30 P.M.

MANDEL HALL

Illustrated Lecture

"THE ORIGIN OF THE GENUS HOMO"

L. S. B. BRAKEY



THURSDAY
NOVEMBER 26

9:45 A.M.
MANDEL HALL

ISSUES IN EVOLUTION—III: "MAN AS AN ORGANISM"

Panel Discussion

Chairmen: GEORGE GAYLORD SIMPSON and F. CLARK HOWELL

MARSTON RATES	H. W. MAGOUN
CESARE EMILIANI	BERNHARD RENSCHE
A. IRVING HALLOWELL	C. H. WADDINGTON
L. S. B. LEARBY	

3:00 P.M.
ROCKEFELLER MEMORIAL CHAPEL

DARWIN CENTENNIAL CONVOCATION

Presiding: LAWRENCE A. KIMPTON, Chancellor, *University of Chicago*

Convocation Address:

"THE EVOLUTIONARY VISION"

SIR JULIAN HUXLEY

Awarding of Honorary Degrees

Immediately following the recessional, official delegates will greet the recipients of honorary degrees in Ida Noyes Hall.

6:00 P.M.
HUTCHINSON COMMONS

THANKSGIVING DINNER

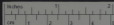
Presiding: EDGAR A. ANDERSON, President, *Society for the Study of Evolution*

8:30 P.M.
MANDEL HALL

"TIME WILL TELL"

An original musical play written for the Celebration
by ROBERT A. ASHINBURST and ROBERT POLLAK

OPENING PERFORMANCE



FRIDAY
NOVEMBER 27

9:45 A.M.
MANDEL HALL

ISSUES IN EVOLUTION—IV: "THE EVOLUTION OF THE MIND"

Panel Discussion

Chairman: RALPH W. GERARD and ILZA VEITH

BENNY W. ROSEN	A. IRVING HALLOWELL	H. W. MAGOUN
MACDONALD CRITCHLEY	ERNEST HELGARD	ALEXANDER VON MURAIT
W. HORSLEY GANTT	SIR JULIAN HUXLEY	N. TINBERGEN

1:30 P.M.—4:30 P.M.
JUDD HALL 126

INSTITUTE FOR HIGH SCHOOL BIOLOGY TEACHERS

The National Conference for High School Biology Teachers brings to this Institute teachers from all over the United States. It is financed by a grant from the National Science Foundation as a means of widening the influence of the Centennial Celebration and of this Institute.

Panel and Discussion Sections

Chairman: H. BURK STEINBACH

EDGAR ANDERSON	H. J. MULLER
TH. DOBZHANSKY	GEORGE GAYLORD SIMPSON

8:30 P.M.
MANDEL HALL

"TIME WILL TELL"

SATURDAY
NOVEMBER 28

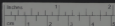
9:45 A.M.
MANDEL HALL

ISSUES IN EVOLUTION—V: "SOCIAL AND CULTURAL EVOLUTION"

Panel Discussion

Chairman: CLYDE KLUCKHOHN and ALFRED L. KROEBER

ROBERT M. ADAMS	SIR JULIAN HUXLEY	JULIAN H. STEWARD
EDGAR A. ANDERSON	H. J. MULLER	LESLIE A. WHITE
FRANÇOIS DODES	FRED POLAK	GORDON R. WILLEY



SATURDAY
NOVEMBER 28 (CONCLUSION)

12:00 M.

MANDEL HALL

ISSUES IN EVOLUTION—"CONCLUSION"

SOL TAX

1:30 P.M.—3:30 P.M.

JUDD HALL 126

INSTITUTE FOR HIGH SCHOOL BIOLOGY TEACHERS

Lecture and Film

EVOLUTIONARY ASPECTS OF SOCIAL COMMUNICATION IN ANIMALS

N. TINBERGEN

Remarks

THE PLACE OF EVOLUTION IN THE CURRICULUM

SIR JULIAN HUXLEY

1:30 P.M.—5:30 P.M.

MANDEL HALL

INSTITUTE ON SCIENCE AND THEOLOGY

Arranged with the cooperation of the Federated Theological Faculty

Lecture

"CREATION AND CAUSALITY IN THE HISTORY OF CHRISTIAN THOUGHT"

JAROSLAV PELIKAN, *Federated Theological Faculty*

Lecture

"CREATION AND EVOLUTION IN PRESENT-DAY ROMAN CATHOLIC THOUGHT"

THE REVEREND J. FRANKLIN EWING, S.J., *Fordham University*

Panel Discussion

"WARFARE OF SCIENCE WITH THEOLOGY"

Chairman: JERALD C. BRAUER, *Federated Theological Faculty*

FRANÇOIS BORDES

SIR CHARLES GALTON DARWIN

G. F. GAUSE

WILLIAM O'MEARA, *Department of Philosophy*

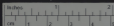
H. BUEH STEINBRACH

LEO STRAUSS, *Department of Political Science*

8:30 P.M.

MANDEL HALL

"TIME WILL TELL"



EXHIBITS

ON THE UNIVERSITY CAMPUS

REYNOLDS CLUB, SOUTH LOUNGE

University of Chicago Library Exhibit. The history of evolutionary theory and the influence of Darwin's writings on social thought and theology are shown in a book exhibit assembled by the Department of Special Collections of the University Library. Among the books on display from the Library's collections are first editions of seventeen of Darwin's works, including the *Origin of Species*, presented to the University by Col. William M. Spencer of Chicago.

University of California at Los Angeles Exhibit. A series of posters loaned by the University of California at Los Angeles Biomedical Library illustrates Darwin's precursors, his life and work, and contemporary reaction to his theories, and post-Darwinian developments in genetics, embryology, physical anthropology and psychology.

UNIVERSITY OF CHICAGO BOOKSTORE

Books by Celebration participants as well as works about Darwin and Evolution are on display and may be purchased at the Bookstore, 5801 Ellis Avenue.

IN AND NEAR CHICAGO

CHICAGO NATURAL HISTORY MUSEUM

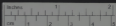
"Darwin's *Origin of Species*" is the subject of an exhibit in Stanley Field Hall. It consists of six panels that trace the history of the *Origin* and explain the meaning of, and the evidence for, natural selection. Included in the exhibit is a copy of the first edition of the *Origin of Species* loaned for the occasion by the John Crerar Library of Chicago. Original letters by Darwin and specimens from the Museum's collections that were collected by him on the voyage of the "Beagle" will also be on display. The Museum, at Roosevelt Road and Lake Shore Drive, can be reached by car or by the Illinois Central Railroad's commuter trains.

THE MUSEUM OF SCIENCE AND INDUSTRY, at 57th Street and South Lake Shore Drive, contains both scientific (including medical) and historical exhibits.

CHICAGO ZOOLOGICAL PARK (BROOKFIELD ZOO)

Members of the staff will be glad to arrange escorted tours which would include the Animal Hospital and Animal Study Center as well as the regular displays. For further information and arrangement of tours, call Bishop 2-2630. The zoo is about one hour by car (west on 57th Street and Garfield Boulevard to Harlem Avenue, north on Harlem to 31st Street, 31st to 8300 west) and can also be reached by Bluebird Bus from the Loop.

THE MORTON ARBORETUM, Lisle, Illinois, contains 1,225 acres devoted to the study and exhibit of woody plants.



PARTICIPANTS

The papers listed are being published by the University of Chicago Press and have been summarized in the special program prepared for the panel discussions. The discussions themselves are based upon advance study by the participants of all the papers.

ROBERT M. ADAMS

University of Chicago

Evolutionary Process in Early Civilizations

EDGAR A. ANDERSON

Missouri Botanical Garden

The Evolution of Domestication

DANIEL I. AXELROD

University of California, Los Angeles

The Evolution of Flowering Plants

MARSTON BATES

University of Michigan

Ecology and Evolution

FRANÇOIS BORDES

University of Bordeaux

Problems of Evolution in the Paleolithic Cultures

ROBERT J. BRAIDWOOD*

University of Chicago

Post-Pleistocene Evolution

HENRY W. BROSN

University of Pittsburgh

Evolution and the Understanding of Diseases of the Mind

MACDONALD CRITCHLEY

National Hospital, London

The Evolution of Man's Capacity for Language

SIR CHARLES GALTON DARWIN

Cave Man Control His Numbers

TH. DOBZHANSKY

Columbia University

Evolution and Environment

ALFRED E. EMERSON

University of Chicago

The Evolution of Adaptation in Population Systems

CESARE EMILIANI

University of Miami

Dating Human Evolution

EARL A. EVANS, JR.

University of Chicago

Viruses and Evolution

PAUL FEJOS

Wenner-Gren Foundation for Anthropological Research

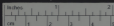
Discussion Participant

E. B. FORD

University of Oxford

Evolution in Progress

* Unable to attend the Celebration.



HANS GAFFRON

University of Chicago

The Origin of Life

W. HORSLEY GANTT

Johns Hopkins University

Parasitism and Darwin

G. F. GAUSE

U.S.S.R. Academy of Medical Sciences

Darwinism, Microbiology and Cancer

RALPH W. GERARD

University of Michigan

Becoming: The Residue of Change

A. IRVING HALLOWELL

University of Pennsylvania

Self, Society and Culture in Phylogenetic Perspective

CHAUNCY D. HARRIS

University of Chicago

Committee, Darwin Centennial Celebration

ERNEST HILGARD

Stanford University

Evolution and the Understanding of Psychology

F. CLARK HOWELL

University of Chicago

with S. L. WASHBURN

Human Evolution and Culture

SIR JULIAN HUXLEY

The Emergence of Darwinism

CLYDE KLUCKHOHN

Harvard University

Discussion Participant

ALFRED L. KROEBER

University of California, Berkeley

Evolution, History, and Culture

L. S. B. LEAKEY

Coryndon Memorial Museum, Nairobi, Kenya

Discussion Participant

H. W. MAGOUN

University of California, Los Angeles

Darwin and Concepts of Brain Function

ERNEST MAYR

Harvard University

The Emergence of Evolutionary Novelty

H. J. MULLER

Indiana University

The Guidance of Human Evolution

ALEXANDER VON MURALT

University of Berne

A Decisive Step in Evolution: Solitary Coadaptation

A. J. NICHOLSON

Australian Commonwealth Scientific and Industrial
Research Organization, Canberra

*The Role of Population Dynamics in Natural
Selection*

EVERETT C. OLSON

University of Chicago

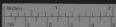
Morphology, Paleontology, and Evolution

STUART PIGGOTT*

University of Edinburgh

Prehistory and Evolutionary Theory

* Unable to attend the Celebration.



FRED POLAK

University of Rotterdam

Evolution and the Understanding of Man in his Social Setting

C. LADD PROSSER

University of Illinois

Comparative Physiology in Relation to Evolutionary Theory

BERNARD RENSCH

University of Münster

The Laws of Evolution

HARLOW SHAPLEY

Harvard University

On the Evidences of Inorganic Evolution

GEORGE GAYLORD SIMPSON

Harvard University

The History of Life

G. LEDYARD STEBBINS

University of California, Davis

The Comparative Evolution of Genetic Systems

H. BURR STEINBACH

University of Chicago

Committee, Darwin Centennial Celebration

JULIAN H. STEWARD

University of Illinois

Evolution and Social Typology

SOL TAX

University of Chicago

Chairman, Darwin Centennial Celebration

N. TINBERGEN

University of Oxford

Behavior, Systematics and Natural Selection

ILZA VEITH

University of Chicago

Creation and Evolution in the Far East

C. H. WADDINGTON

University of Edinburgh

Evolutionary Adaptation

SHERWOOD L. WASHBURN*

University of California, Berkeley

with F. CLARK HOWELL

Human Evolution and Culture

LESLIE WHITE

University of Michigan

Four Stages in the Evolution of Minding

GORDON R. WILLEY

Harvard University

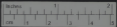
Historical Patterns and Evolution in Native New World Cultures

SEWALL WRIGHT

University of Wisconsin

Physiological Genetics, Ecology of Populations and Natural Selection

* Unable to attend the Celebration.



THE UNIVERSITY OF CHICAGO



LEGEND

UNIVERSITY BUILDINGS [Solid grey rectangle]

OTHER INSTITUTIONS [White rectangle with black border]

PARKS AND LAWNS [Stippled rectangle]

ONE WAY STREETS [Arrow symbol]

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