

The Bank of Sweden Tercentenary Foundation

Riksbankens Jubileumsfond

1982



What is the Bank of Sweden Tercentenary Foundation?

The Bank of Sweden Tercentenary Foundation was established by an act of the Swedish Riksdag in April 1962. At the suggestion of Bank of Sweden delegates, 250 million Swedish crowns, in the form of securities from the Bank of Sweden portfolio, were set aside from the Bank's 1961 earnings and allotted to a special tercentenary fund. According to the proposal, the revenue from the bequest was to be used to support and promote scientific research related to Sweden. By means of this bequest, the delegates wished to commemorate the Bank's *tricentennial in 1968* while simultaneously supporting activities of urgent national interest. The Bank of Sweden, the oldest central bank in the world, has been owned by and linked to the country's parliament throughout the centuries of its existence.

In conjunction with its decision to make a tricentennial bequest, the Swedish parliament, the Riksdag, appointed a special committee to draw up detailed guidelines and statutes for the Foundation. The Prime Minister was appointed chairman of this committee. Proposals on the Tercentenary Foundation were submitted to the Riksdag in April 1964. These proposals suggested that the activities of the Foundation should initially *"concentrate on research aimed at expanding knowledge about the impact of technical, economic and social changes on the society and on individual citizens"*.

The following is cited as the reason for the Foundation's priorities:

"Conditions for the coexistence of peoples have changed radically in the past 50 years. A major cause of these changes has been the successful research creating new or enhanced resources in virtually every aspect of life. By expanding knowledge and insights, this research has contributed to increased prosperity, security and well-being in the society. But efforts to achieve these ends have sometimes had adverse effects on the quality of life in certain respects and threatened to erode essential values. The committee feels that greater attention devoted to the problems associated with the society's and the individual's adaptation to changes arising in this manner is a matter of the utmost urgency."

Statutes for the Bank of Sweden Tercentenary Foundation were approved by the Riksdag in December 1964. These statutes stipulated that the objective of the Foundation is to support and promote scientific research related to Sweden. The Foundation's programme was to be given considerable flexibility, and no field of research was to be excluded, in principle, from the possibility of receiving a grant. However, the Foundation was to give priority to research for which there were generally fewer opportunities for grants. The statutes also prescribed that Foundation funds be used for special support to large, long-range projects. The Foundation was to identify new research fields calling

for rapid and major supportive measures. The Foundation was also to promote contacts with international research activities.

Foundation grants were first awarded in October 1965. By the end of 1982, grants totalling about 400 million Swedish crowns had been awarded, about 50 % of which to research in the field of social science, about 20 % to research in the humanities and the remainder to natural sciences, medicine and technology. Grants have primarily been made to large, long-range projects. The average size of annual grants was about 170 000 Swedish crowns from 1965 to 1982.

In May 1974, and again in May 1978, the Swedish Riksdag decided to appropriate a further 100 million Swedish crowns for the Foundation.

Procedure

The Board of Directors of the Foundation had four formal meetings in 1982. The Chairman of the Board is Professor Staffan Helmfrid. Before applications for grants are formally considered by the Board, they are first reviewed and assessed by committees appointed by the Board. The committees, each dealing mainly with specific fields, include Board members and specially appointed experts. Most applications are reviewed by outside experts as well as by the committees.

At the end of 1982, five committees were composed of the following members:

Committee 1 (economics, geography etc.)

Gunnar Biörck, M.P. (Conservative)
Thomas Franzén, Ph.D., Bank of Sweden
Torsten Hägerstrand, Ph.D., Professor
Bengt Silfverstrand, M.P., (Social-Democrat)
Ingemar Ståhl, Ph.D., Professor
Lars Wohlin, Governor of the Bank of Sweden
Dick Ramström, Ph.D., Professor

Committee 2 (behavioural science etc.)

Sten Henrysson, Ph.D., Professor
Torkel Lindahl, M.P. (Liberal)
David Magnusson, Ph.D., Professor
Margot Wallström, M.P. (Social-Democrat)
Karl-Erik Rosengren, Ph.D., Professor

Committee 3 (political science etc.)

Karin Flodström, M.P. (Social-Democrat)
Lars Gustafsson, M.P. (Social-Democrat)
Einar Larsson, M.P. (Centre)
Gunnel Gustafsson, Ph.D., Asst. Professor
Leif Lewin, Ph.D., Professor

Committee 4 (medicine, natural sciences, technology etc.)

Börje Cronholm, M.D., Professor
Ulla Ekelund, M.P. (Centre)
Marianne Frankenhaeuser, Ph.D., Professor
Lars-Magnus Gunne, M.D., Professor
David H. Ingvar, M.D., Professor
Bengt Rånby, Ph.D., Professor
Kai Siegbahn, Ph.D., Professor
Lars-Ingvar Sörenson, M.P., (Social-Democrat)

Committee 5 (humanities)

Staffan Helmfrid, Ph.D., Professor
Linnea Hörlén, M.P. (Liberal)
Inge Jonsson, Ph.D., Professor
Rune Jonsson, M.P. (Social-Democrat)
Bengt Sigurd, Ph.D., Professor
Mårten Werner, M.P. (Conservative)
Gunnar Westin, Ph.D., Professor

In 1982, there were also three special committees (chaired by the Foundation's Director). Their task was to identify research in fields with high priority but hitherto the subject of insufficient interest. The special committees had the following composition:

1. Committee on research into equal opportunity

Pär-Erik Back, Ph.D., Professor
Siv Gustafsson, Ph.D.
Anita Göransson, Senior research assistant
Kjell Härnqvist, Ph.D., Professor
Ann-Sofi Källemark, Ph.D., Asst. Professor (research secretary)
Rita Liljeström, Ph.D., Asst. Professor
Ingemar Lindberg, Under Secretary of State (Social Affairs)
Ami Lönnroth, Editor, Svenska Dagbladet
Myril Malmström, Ombudsman

2. Committee on taxation research

Lars Bertmar, Ph.D., Asst. Professor
Gunnar Biörck, M.D., Professor
Gunnar Du Rietz, Ph.D., Swedish Employers' Confederation
Per-Olof Edin, Adviser, Ministry of Finance
Lars Johanson, Head of Division, Stockholm County Administration
Gustaf Lindencrona, Ph.D., Professor
Alf Lindqvist, Ph.D. (research secretary)
Sven-Olof Lodin, Ph.D., Professor
Karl-Erik Wärneryd, Ph.D., Professor
Carl Johan Åberg, Ph.D., Under Secretary of State (Foreign Trade)

3. Committee on research into health and social problems

Ola Arvidsson, Asst. Professor, (research secretary)
Börje Cronholm, M.D., Professor
Marianne Frankenhaeuser, Ph.D., Professor
Sten Henrysson, Ph.D., Professor
David H. Ingvar, M.D., Professor
David Magnusson, Ph.D., Professor
Karl-Erik Rosengren, Ph.D., Professor

Foundation Staff

Nils-Eric Svensson, Ph.D., Director
Ola Arvidsson, Ph.D., Research Secretary (health and social problems committee)
Anita Asplund, Office Assistant
Ann-Sofie Källemark, Ph.D., Research Secretary (equal opportunity committee)
Nina Lindgren, Programme Secretary (political science, humanities)
Alf Lindqvist, Ph.D., Research Secretary (taxation research committee)
Inger Nyhlén, Programme Secretary (medicine, natural sciences)
Inga-Lill Stenbeck-Ottoson, Administration
Kerstin Stigmark, Programme Secretary (economics, behavioural sciences)

Finances

The Foundation's economic position for the years ending 1981 and 1982 is described in Tables 1 and 2 (Balance Sheet and Appropriation Account).

In 1982 the Foundation made 228 research grants totalling 41.2 million Swedish crowns. Approx. 900 000 Swedish crowns were expended to cover automatic wage increases, project travel expenses and committee work.

A little more than 33 % of the funds available for grants were awarded to new projects in 1982, as opposed to 27 % in 1981. The grants averaged 181 000 Swedish crowns in 1982 (176 000 in 1981). This represents a large decline in real terms compared to previous years. In 1978, for example, the average grant amounted to 158 000. This would be equivalent to about 216 000 Swedish crowns in 1982 prices.

The Foundation's award capacity is totally dependent on the returns yielded by assets placed at the disposal of the Foundation by decree of the Swedish parliament. The assets consist of a securities portfolio managed by the Bank of Sweden.

From 1968 to 1974, interest revenue amounted to about 20 million Swedish crowns per annum. From 1975 to 1978 annual revenue rose to 27 million crowns, following an additional capital allocation of 100 million Swedish crowns in 1974. From 1979 to 1982, revenue amounted to about 36, 41, 50 and 52 million crowns respectively. The 1979 increase was due to the increased capitalization (100 million) allocated by parliament in 1978. The 1980 and 1981 increases were due to the replacement of certain low-yield securities with higher yield securities. No equivalent increases are anticipated in the next few years. So there has been a nominal increase in the magnitude of Foundation grants in recent years, an increase more or less corresponding to price increases in Sweden. However, increases in research costs have actually been far greater than changes in the consumer price index would suggest. Thus, it has not been possible to sustain the Foundation's award capacity in real terms. Measures to sustain this award capacity in years to come would be highly desirable and are currently the subject of deliberation.

Project Follow-up

Most of the research projects supported by Foundation funds deal with problems of general social pertinence. The dissemination of research results for discussion and critical scrutiny is therefore important.

As a result of its direct links to parliament, the Foundation plays a unique role as an intermediary between politicians and scientists. That is why a number of project presentation meetings were held during the year for members of parliament and other decision-makers.

As in previous years, the Foundation's Board of Directors and members of parliament visited a number of projects in different parts of the country and at universities and colleges. Detailed talks were then held on the design and objectives of financed projects. The general research problems of these schools were also discussed.

The special committees even had numerous contacts with representatives of their respective research fields. The object of these contacts was to stimulate research and development activities in these areas. Three reports were published during the year.

The Foundation also has the task of promoting contact with international research programmes. One example of this activity was a symposium held in Vienna. It presented a number of interdisciplinary projects dealing with cultural indicators. Swedish scientists have also been awarded grants enabling them to present their work at foreign universities and symposia.

The Foundations continuously publishes summaries of research results, reports form symposia and other material (in Swedish only) in a form readily comprehensible to laymen.

Summary of New Projects Awarded Grants in 1982

Economic History

Martin Fritz, Stockholm
Dnr: 82/19

The Swedish Steel Industry in Transformation

The aim of the project is to study the evolution of the modern Swedish steel industry on macro and micro levels. The strategies devised by steel companies in dealing with changes in the market will also be examined.

Business Administration

Arne Omsén, Luleå
Dnr: 82/7 PL

Innovations in Small and Medium-sized Businesses in a Peripheral Region

The object of the project is to identify and test the mechanisms which lead to an increase in the degree of innovation in small and medium-sized companies in peripheral regions. Innovation research has tended to concentrate on conditions in large companies.

Ove Brandes, Linköping
Dnr: 82/106

Strategy and Market – patterns in the development of Swedish industrial enterprises

The object of the project is to elucidate and analyse the way in which Swedish industrial enterprises have patterned their marketing strategy since 1970. Major market changes began to emerge from that year. A decline in growth and increased competition heightened the need for Swedish companies to develop new products and markets.

Brian Kylén, EFI
Dnr: 82/119

Strategic Response to the Unexpected – an empirical test

A number of hypotheses, based on a cybernetic/cognitive paradigm described in a previous study, were devised for describing the strategic behaviour of management and organizations faced with unexpected situations. The adverse effects of double shock sequences elicited by erroneous responses to surprises were the reason for the present study.

Karl-Erik Wärneryd, EFI
Dnr: 82/158

Studies of the Economic Behaviour of Households, Especially as Regards Taxes, Inflation and Work

The object of the present project, based on previous research, was to test methods for collecting data from households on inflation, taxes and work, to describe and explain economic behaviour in respect of these subjects and to refine existing theory on factors affecting behaviour and expectations in these fields.

Economics

Björn Lindgren, Lund
Dnr 82/24 PL

Differentiated Fees for In-patient Medical Care – a study in social economics

The object of the project is to study the effects of changes in the Swedish Public Health Act enabling public health authorities to introduce differentiated, rather than fixed, fees for in-patient medical care from 1982.

Brita Schwartz, EFI
Dnr: 82/66 PL

Strategies in Economizing and Budgeting and Planning Systems in the Civil Service

The purpose of the project is to elucidate the various effects of present economizing methods and to arrive at new ideas for economizing. Various public agencies will be studied.

Göran Eriksson, Stockholm
Dnr: 82/124 PL

Variations in Employment, as Related to the State of the Economy – a study of dynamic adaptation

The project will study the ways in which various external changes in total demand lead to different adaptation processes in the economy. The anticipated duration of the changes in demand and their degree of predictability by companies and individuals will also be considered.

Bengt Höglund, Lund
Dnr: 82/155

Decision-making Mechanisms in a Mixed Economy. Subproject 1: Markets and political decisions. Subproject 2: "Plays" and negotiations in a mixed economy

The project will comprise a systematic study of problems in a mixed economy which are based on various kinds of "performers" (individuals, companies, organizations and parties), different kinds of decision-making processes and different kinds of decisions found side by side. Additional aspects will be considered in two subprojects.

Lars Werin, Stockholm
Dnr: 82/236

Budget Deficits and the Financial System

The main object of the present study is to analyse Swedish budget deficits with the aid of a simulation model for supply markets based on Tobin's theories and also inspired by the work of other scientists in the field.

John S. Chipman, University of Minnesota, USA
Dnr 82/238

The Process of Structural Adjustment in an Open Economy. An econometric study of Swedish experience since 1971

A computable general-equilibrium model will be used to analyse the process of structural adjustment to internal and external economic disturbances in a trade-dependent economy whose export prices cannot for long remain too far out of line with world prices.

Hans Tson Söderström, Stockholm
Dnr: 82/239

New Conditions for Stabilization Policies

The object of the project is to broaden and deepen the traditional aggregative macroanalysis by introducing a more accurately specified supply side, taking real effects into greater account and considering the strategic behaviour of different groups in the economy.

Cultural Geography

Bengt Johannisson, Växjö
Dnr: 81/140

Small Business in the Small Community – conditions and opportunities

The aim of the project is to shed light on the conditions and opportunities for small businesses, in the manufacturing industry in particular, in small communities.

Tommy Carlstein, Lund
Dnr: 82/115

Chronological and Organizational Aspects in the Technification of the Household and Service Sectors

The project comprises an analysis of the time resources and the effects of several strategic innovations on a few small communities in southern Sweden from 1930 to 1980.

Sune Berger, Uppsala
Dnr: 82/120 PL

The Bergslagen "Experience Bank". Local preparations for change in conjunction with changing structure

The object of the project is to document experience gained from changing structural patterns in Bergslagen, to assemble material as the basis for decision-making, to devise proposals for organizational forms and to improve theories on and methods for analysis of regional development.

Lars Nordström, Göteborg
Dnr: 82/147

Promoting the Development of Towns with Few Employment Opportunities

The project involves an assessment of the impact of national and municipal government funds on the development of communities with few employment opportunities.

Sociology/Social Anthropology

Marja Taussi Sjöberg, Umeå
Dnr: 81/202

Crime, Punishment and Social Collapse

The object of the project is to examine a number of problems of fundamental importance in understanding how a community governed by law really operates, as viewed from an individual point of view.

Boel Berners, Lund
Dnr: 82/26 D

Female Identity and High School Education

The object of the project is to provide a picture of the way society's values and ambitions have influenced educational pathways dominated by women.

Olof Dahlbäck, Stockholm
Dnr: 82/73

Social Changes and Deviant Behaviour. A study of Swedish municipalities from 1970-1980

The aim of the study is to elucidate the effect of changes in social factors on deviant behaviour. The study will be mainly based on published official statistics.

Göran Therbom, Lund
Dnr: 82/123

Development of the Unionized Workplace and Worker Safety Programmes

The project will analyse the establishment and evolution of the workplace organization of trade unions and industrial safety programmes. The analysis will also comprise a historical and internationally comparative dimension.

Jan Trost, Uppsala
Dnr: 82/126

Child Care

The aim of the project will be to describe and analyse the scope of the individual and joint care of children in various custody situations. The way in which this care functions in practice will also be studied. Developments in Sweden will be compared with those in the U.S.

Kjell Nowak, Stockholm
Dnr 82/169

Ideology and Rhetoric in Advertisements in the Swedish Popular Press from 1935-1980

The project will comprise an interpretation of data obtained in a prior research programme on the content of advertisements with the view of enhancing the relevance of those results and arriving at unique material on the ideas incorporated in ads.

Ulf Hannerz, Stockholm
Dnr: 82/244

Comparative Cultural Theory: The generation and distribution of idea complexes in complex social structures

The project is to comprise one year of research at the Center for Advanced Study in the Behavioral Sciences, Stanford, USA.

Statistics

Peter Jagers, Göteborg
Dnr: 82/12

Statistical Methods in Political Opinion Polls

The object of the project is to identify the exact statistical method used in the various opinion polls, to study their accuracy and to attempt to approve them.

Political Science

Pablo Suarez Maldonado, Uppsala
Dnr: 81/174

The Dialectics of Politics. A crosssystematic inquiry into the dynamics of political cleavages (diapol)

The main objectives are to study the patterns of change in the structuring of political oppositions in certain circumstances, to assess the dependency of these dynamic relationships on contextual macro-variables and to elaborate hypotheses relating cross-national and cross-regional differences and similarities.

Olof Ruin, Stockholm
Dnr: 82/46

The Welfare State and the Governing Capacity of Central Government Bodies

Various projects will comprise literature review, a study of the evolution of new legislation, a study of the Prime Minister, a study of the Riksdag in the 1970's and a study of the central civil service.

Sören Holmberg, Göteborg
Dnr: 82/122

A Swedish Election Campaign. Studies of parties, media and the electorate in the 1956-82 election campaigns

The objective of the project is to broaden election research to include issues other than voting behaviour. The interplay and relationships between political parties, mass-media and voters will be a central feature of the study.

Jon Sigurdson, Lund
Dnr: 82/186

Linking Technology Policy and Industrial Policy in High-technology Sectors. A study of efficiency and consequences of national support programmes and company strategies in Japan plus a comparison with Sweden and Germany

The aim of the project is to collect information as the basis of comparison of the development of high-technology sectors in Sweden and other European countries. Most of the research will be carried out in Japan in collaboration with scientists at the Institute of Policy Science, Saitama University.

Torbjörn Vallinder, Lund
Dnr: 82/220

Swedish Freedom of the Press 1815-1980

The evolution of Swedish freedom of the press, viewed against the background of the position in England and the U.S., since 1815 will be studied.

Education/Psychology

**Carl Philip Hwang, Göteborg
Michael E. Lamb
Dnr: 81/8**

The Importance of the Day Nursery, Family Day Nurseries etc. to a Child's Social and Emotional Development

The project is a 2-year longitudinal study whose aim is to shed light on various forms of day care facilities for children and their importance to the children's social and emotional development.

**Lars-Göran Nilsson, Umeå
Dnr: 81/17**

Memory Derangement

The aim of the project is to study various forms of memory derangement in an effort to find some common, underlying explanation.

**Erland Hjelmquist, Göteborg
Dnr: 82/58 PL**

Sex-related Differences in Linguistic and Nonlinguistic Communication

The objective of the project is to study sex-related differences in linguistic and non-linguistic communication, face-to-face social interaction in particular. Actual communications processes will be studied.

**Gunnar Borg, Stockholm
Dnr: 82/64**

Psychophysiological Studies of Exertion and Pain in Various Kinds of Physical Activities

The aim of the project is to determine the relationship between a person's sense of effort and certain physiological variables, such as heart rate, blood lactate, exercise capacity and physical performance in various kinds of exercise.

**Astrid Norberg, Umeå
Dnr: 82/65**

Eating Problems in Patients Suffering from Senile Dementia and Acute Stroke

The aim of the study is to analyse the eating problems of patients suffering from senile dementia and acute stroke, to devise methods for training stroke patients in eating and assess various ways for caring for dying, demented patients.

**Sture Eriksson, Uppsala
Dnr: 82/68**

The Neurophysiology of Movement Perception

The aim of the project is to analyse the functional principles used by the brain in processing visual information, the perception of movement in particular.

**Edith Mägiste, Stockholm
Dnr: 82/78**

The Development of Linguistic Facility and Interference in Bilingual Elementary and Upper Secondary School Students

The project will evaluate two models for bilingual instruction in the 1st to 4th grades and shed light on the most essential problem in bilingualism, i.e. interference.

**Thor Egerbladh, Umeå
Dnr: 82/134**

Group Solution of Cognitive Problems in Various Organizations

The aim of the project is to study the stimulating and inhibitory effects which various types of problems, group compositions and group norms have on the group process and group product.

**Margot Bengtsson, Lund
Dnr: 82/150 PL**

Identification, Sex and Class

Two main subjects will be studied in the project: Identification, identification perception and sexual role perception 1. in the choice of university training and 2. in relation to the choice by men and women of other training and/or vocations.

**David Magnusson,
Stockholm
Dnr: 82/138**

A longitudinal Study of Physical and Mental Health and Illness

The aim of the project is to conduct a longitudinal study entailing an empirical examination of the evolutionary background of mental and physical health and illness in the interaction of individuals and environmental factors – with a special emphasis on alcohol abuse, criminality and mental illness.

**Alf Nilsson/
Staffan Lindberg, Lund
Dnr: 82/161**

The Function of Alcohol for 20-year Old Men and Women

The aim of the project is to identify a hitherto neglected field in Swedish alcohol research, i.e. the function of alcohol in the lives of 20-year olds.

Kurt Gestrelius, Malmö
Dnr: 82/189

Structural Changes in the Business Community and Training Needs

The project will analyse the impact of the closure of a large work site (the Öresund Shipyard) on the regional educational system and the roles played by various educational facilities in a crisis during a period of high unemployment.

Torsten Husén, Stockholm
Dnr: 82/195

Swedish Educational Research from 1944–1971. A study of the conditions for the emergence and development of a new research field

The project will attempt to analyse the factors of decisive importance in the emergence and development of Swedish educational research from the middle of the 1940s to the beginning of 1971.

Karl-Georg Ahlström, Uppsala
Dnr: 82/198 PL

Training for Critical Situations

The aim of the project is to identify the principles which govern the training implemented in critical situations, the effectiveness of training in crisis, the objective the training should have and the forms for that training.

Sten Levander, KI, Stockholm
Dnr: 82/199

Follow-up of 85 Students at Lövsta Reform (Approved) School from 1975–1976

The objective of the present study is to examine the relevance of a model commonly used in research dealing with delinquent students at reform (approved) schools.

Stig Berg, Göteborg
Dnr: 82/216

Psychological Function During Aging

The project is part of a larger study of 70-year olds in Göteborg and aims at compiling a picture of the social and medical circumstances in this population, collecting some basic facts as aid in the planning of geriatric care and to obtain information on the normal aging process.

Gustaf Lindencrona, Stockholm
Nils Mattsson, Uppsala
Dnr: 82/154

Internal Price-Fixing in Multinational Enterprises – from the Taxation Point of View

The project comprises a comparative study of internal price-fixing and the problems which arise when tax authorities take action against the internal price-fixing in a multinational enterprise established in several different countries.

Sven-Olof Lodin, Stockholm
Dnr: 82/157

The Concept of Revenue in Capital Gains Taxation, With Special Emphasis on the Rules in the Sale of Real Estate

The project will examine the way in which capital gains taxation should and can be designed in a normative income tax system and the way in which the present rules for capital gains taxation have been designed with respect to revenue quantification.

European Science Foundation
Dnr: 82/177

European Collaborative Organizations

This represents a grant to an international research project, led by the European Science Foundation, on the "Legislative Process".

Medicine

Anders Tamsen, Uppsala
Dnr: 81/120

Patient-controlled Pain Treatment with Opiates and Other Substances with an Analgaesic Effect on the CNS

The project will study the interaction between opiates and noradrenergic substances in the treatment of pain. Individual variations in pain tolerance will be taken into consideration through patient-controlled administration of the analgaesics.

Kerstin Hall, KI, Stockholm
Dnr: 81/187

The Development of Retardation, Its Early Discovery and Prevention. Studies of somatomedin as a growth factor for the brain

The aim of the study is to examine the role of somatomedin in the genesis of retardation and to try to find methods by which derangement in brain development can be detected and treated at the foetal stage.

Göran Bodegård, KI, Stockholm
Dnr: 81/190

False-positive Results in Neonatal Screening

The study will examine the psychological impact on parents of false-positive findings in screenings of neonates for congenital thyroid dysfunction.

Rolf Luft, KI, Stockholm
Dnr: 82/36

The Importance of Genetic Factors in the Pathogenesis of Adult Diabetes

The project is a continuation of work on the pathogenesis of type 2 diabetes which has been carried on at the Royal Caroline Institute since the start of the 1960's.

Lennart Levi, KI, Stockholm
Dnr: 82/166

Insecurity on the Job and Unemployment; a) effects on health and wellbeing and b) interdisciplinary evaluation of remedial measures on different levels

The project is an interdisciplinary study with international links. Comparisons will be made between a group of subjects (200 factory workers) threatened by unemployment and two groups (2 x 200) who will be losing their jobs.

Kenneth Nilsson, Uppsala
Dnr: 82/182

Studies of the Differentiation in Human Tumour Cells, Especially the Control of Protein Synthesis

The aim of the study, employing a special model encompassing a selected number of cell lines representing neoblastomas, leukemias and lymphomas, will be to examine the cellular mechanisms involved in the control of differentiation/growth.

Bo S. Lindblad, KI, Stockholm
Dnr: 82/212 PL

Post-gastroenteritis Syndrome

The aim of the project is to increase knowledge about the transport of large molecules across the intestinal mucosa in diseases featuring defective defence against infections in adults and children.

Björn-Erik Roos, Uppsala
Dnr: 82/233 PL

A Longitudinal Descriptive Study of Alcohol Misusers. Development of a diagnostic method for differentiated treatment and treatment evaluation

The project aims at the development and testing of a multidimensional descriptive model comprising the use of alcohol by alcoholics, the development of alcoholism, ego functions, psychopathology, the extent of somatic damage, social stability and intellectual function to see if the model satisfies the criteria for a good diagnosis.

Natural Science

Bertil Kullenberg, Uppsala
Dnr: 82/10

Chemically Complex Olfactory Signals in Insect-Insect and Insect-Flower Relationships

The project, comprising three subprojects, will study scent-stimulated behaviour in insects in which the stimulation is elicited by many different chemical compounds, i. e. complex scent secretions.

Kai Siegbahn, Uppsala
Dnr: 82/174

"Dynamic" Electron Spectroscopy of Free Radicals and Excited Molecules

The aim of the project is to develop a new type of "dynamic" electron spectroscopy of free radicals and excited molecules. Normal ("static") electron spectroscopy has hitherto only dealt with stable molecules in their basic state.

Johnny Karlsson, Lund
Dnr: 82/241

Photographic Documentation for the Study of Sexual and Age Differences in Birds

The aim of the project is to devise better methods for determining the age and sex of birds caught for ringing. Detailed analyses and studies of existing material in museums should increase knowledge about the distinguishing age and sexual features of birds.

Svante Björck, Lund
Dnr: 82/245

Late Glacial Magnetostratigraphy in Southern Sweden

The aim of the project is to prepare detailed paleomagnetic curve charts by systematic sampling of a large number of areas in southern Sweden and registration of paleomagnetic parameters.

Technology

Lars Björck/Sten Gatenbeck, KTH, Stockholm
Trees for Urban Environments

The project will comprise a study of the uptake and breakdown of multi-cyclic aromatic substances in trees suitable for planting in urban environments.

Humanities

Seung-bog Cho, Stockholm
Dnr: 80/48

A Historic Study of Sino-Japanese

The project will subject Chinese word material borrowed from Japanese to systematic study in order to shed light on the development process in which borrowed Chinese words have been incorporated into Japanese.

Marianne Ström, Paris
Dnr: 81/221

Underground Art. Artwork in the underground (subway)

The study will examine the experience gained in the use of decorative artwork in fifteen cities in the world. This experience may be useful in the planning and execution of underground railways systems in the future.

Klas Åmark, Stockholm
Dnr: 82/17

Trade-union Policy and Power from 1910 to 1960

The project's central issue involves an analysis of trade-union policies and power in two respects: how was the election influenced and trade-union policy implemented by power relationships and what action has the trade-union movement taken in order to attain the power resources required to pursue certain policies?

Lennart Björck, Stockholm
Dnr: 82/16

Text Structure in Argumentative and Investigatory Prose. A study of the text output of university students

The aim of the project is to elucidate and analyse the problems encountered by students in different departments when they have to write argumentative and investigatory texts.

Åke Hyenstrand, RÄ, Stockholm
Dnr: 82/27

Technology and Industrial Structure in Medieval Iron Production and Attendant Economic and Social Conditions

The aim of the project is to address issues of major importance in understanding metallurgical processes in medieval ironworks and related organizational and socio-economic aspects.

Arne B. Johansen, Göteborg
Dnr: 82/34 PL

Settlements and Land Utilization in Western Sweden 2 500 to 500 B. C.

The objective of the project is to obtain a picture of the way in which people utilized the landscape 2500-500 B.C. There is considerable knowledge about objects from this period but little about trading and housing forms.

Kristina Svartholm, Stockholm
Dnr: 82/54

Swedish as a Language for the Deaf

The aim of the project is to shed light on the special learning problems encountered by deaf people with sign language as their first language in their initial encounter with written Swedish.

Gunnel Källgren, Stockholm
Dnr: 82/86

Work and Linguistic Environment

This project will examine the language used at work sites, the correlation between work organization and language use and, if possible, an evaluation of the way changes in production procedures influence language use.

Claes-Christian Elert, Umeå
Dnr: 82/93

Scandinavian-Dutch Language Comprehension. Methodical shortcuts in communication training for speakers of closely related languages

The aim of the project is to study the possibilities and methods for attaining the linguistic comprehension which prevails in Scandinavian in communications between Dutch/Flemish speakers and Scandinavians.

Birgitta Odén, Lund
Dnr: 82/94 PL

Older Women in Occupational Work and Thereafter

This project, an offshoot of a project dealing with the elderly in olden times, today and in the future, will be a special substudy of the occupational work, pension conditions and finances of older women.

Johan Sundberg, KTH, Stockholm
Dnr: 82/100

The Singing, Sound and Range of Notes in "Kölning." A study of the songs in remote Swedish mountain cultures

The project will study the peculiar songs found in the Scandinavian mountain cultures, a form of singing referred to as "kölning".

Eva Ejerhed, Umeå
Dnr: 82/183

Natural Communication with Computers

The project is devoted to research on problems dealing with representation and reasoning and parsing and evaluation of natural language (English, Swedish).

Åke Lilliestam, KB, Stockholm
Dnr: 82/187

Sweden's National Bibliography from 1700-1829

The object of the project is to follow up another project, supported by the Foundation and dealing with a bibliography of Swedish publications from 1700-1829, and to have material collected in the former project published.

Tore Frängsmyr, Linköping
Dnr: 82/209

The Machine and the Humanist. The technology debate in Sweden during the Industrial Revolution

The project will attempt to answer questions about humanistic culture in Sweden during the rapid emergence of a modern industrial society.

David Gaunt, Umeå
Dnr: 82/219

Protest and Prophecies. A static view of the world and dynamic ideology in Tornedalen during the 1930's

The project will examine the relationship between static views of the world and dynamic ideologies from a historical and anthropological point of view. Why do people abandon long-held views of the world? In which ways does this occur?

Ingrid Schöier
Dnr: 82/227

Pär Lagerkvist. A biography

The objective is to publish a biography of the Swedish author Pär Lagerkvist. No such biography has hitherto been written.

Tor G. Hultman, LH, Malmö
Dnr: 82/246

Language and Sex in School

The "Language and Sex in School" project is the school-oriented part of the "Language and Sex" project. It will attempt to determine whether there are factors in the school which contribute to an explanation of the reason why women and men participate in public decision-making to such varying degrees.

Olof Hultén, PUB, Swedish Broadcasting Company
Dnr: 82/202

TV transmissions via the INTELSAT System in 1969 and 1982. A study of satellite technology and the global information situation

The study will attempt to show how rapid developments in the satellite field, exemplified by the INTELSAT system, have influenced the flow of TV programmes, especially to and from developing countries.

Miscellaneous

Björn Dal, Kristianstad
Dnr: 82/113

Bibliotheca Zoologica Svecana

The objective is to complete the manuscript of a bibliography of Swedish zoological publication from the earliest days up to 1915.

Royal Academy of Science
Dnr: 82/179

Environmental Research and Management Priorities for the 1980's (November 1982)

The project refers to the holding of a conference on environmental problems of general pertinence.

Tables

Table 1. BALANCE SHEET for the years ending 31st December 1981 and 1982

Assets	1981	1982
Bonds	684 312 000:—	684 312 000:—
Chequing account with Bank of Sweden	37 965 332:12	46 278 055:83
Postgiro account	26 518:99	66 873:26
Cash on hand	500:—	500:—
TOTAL (Swedish crowns)	722 304 351:11	730 657 429:09
Liabilities		
Approved but as yet undisbursed grants	25 373 324:05	27 203 950:98
Taxes withheld	47 335:—	39 603:—
Funds allocated for pension fees etc.	1 691 959:65	1 691 959:65
Available funds for research grants:		
From previous years	—	49 104 736:45
Undivided surplus	49 104 736:45	6 907 233:05
Bequests:		
Securities (book value)	450 000 000:—	450 000 000:—
Valuation difference (between nominal value and previous book value)	196 086 995:96	195 709 945:96
Total (Swedish crowns)	722 304 351:11	730 657 429:09

Table 2. APPROPRIATION ACCOUNT

Revenue	1981	1982
Interest on securities	46 891 219:—	46 191 124:60
Other interest received	3 834 570:30	5 139 142:34
Other revenue	54 367:59	260 587:31
Grants not utilised	—	300 451:63
TOTAL (Swedish crowns)	50 780 156:89	51 891 305:88
Expenses		
Administrative expenses	1 614 907:72	1 744 152:99
Project costs	1 021 532:81	1 188 919:84
Approved grants	—	42 051 000:—
Funds not utilised	48 143 716:36	6 907 233:05
TOTAL (Swedish crowns)	50 780 156:89	51 891 305:88

Table 3. APPLICATIONS FOR AND GRANTS AWARDED IN 1982 (in 1000 Swedish crowns)

Field	Grants awarded		Applications		Grants awarded as a %		
	No.	Amount	No.	Amount	of amount sought	of no. sought	per field
1. Social Science	122	23 412	252	66 214	35.4	48.4	56.8
1.1 Economic history	4	1 112	11	3 623	30.7	36.4	2.7
1.2 Business administration	11	1 896	31	10 586	17.9	35.5	4.6
1.3 Economics	14	3 197	26	9 102	35.1	53.9	7.8
1.4 Cultural geography	9	1 834	19	4 465	41.1	47.4	4.5
1.5 Sociology/Soc.pol.	25	4 376	49	12 788	34.2	51.0	10.6
1.6 Statistics	1	250	2	566	44.2	50.0	0.6
1.7 Political science	22	4 951	33	7 907	62.6	66.7	12.0
1.8 Research on research	—	—	—	—	—	—	—
1.9 Information processing	—	—	—	—	—	—	—
1.10 Education	11	1 704	31	5 670	30.1	35.5	4.1
1.11 Psychology	18	2 898	38	9 174	31.6	47.4	7.0
1.12 Law/Criminology	6	1 022	9	1 688	60.5	66.7	2.5
1.13 Social anthropology	1	172	3	645	26.7	33.3	0.4
2. Medicine	19	3 996	46	13 413	29.8	41.3	9.7
3. Natural Science	12	2 370	24	7 783	30.5	50.0	5.8
4. Technology	4	581	9	2 052	28.3	44.4	1.4
5. Humanities	65	10 403	108	24 948	41.7	60.2	25.2
6. Miscellaneous	6	439	18	3 652	12.0	33.3	1.1
TOTAL	228	41 201	457	118 062	34.9	49.9	100.0

Table 4.

**GRANTS FOR PROJECT CONTINUATION/
NEW GRANTS IN 1982**
(in 1000 Swedish crowns)

Type of application	Grants awarded		Applications		Grants awarded as a %		
	No.	Amount	No.	Amount	of amount sought	of no. sought	per field
Grants for project continuation	147	27 557	158	40 178	68.6	93.0	66.9
New grants	81	13 644	299	77 884	17.5	27.1	33.1
TOTAL	228	41 201	457	118 062	34.9	49.9	100.0

Table 5.

**THE NUMBER OF FINAL AND NON-RECURRENT
GRANTS IN 1982**
Subdivided by project duration and field.

Duration (years)	Social science	Medicine	Natural science	Technology	Humanities	Miscellaneous	Total	%
—2	6	2	—	—	3	—	11	15.7
2—3	11	—	1	—	4	—	16	22.9
4—5	16	—	1	2	12	—	31	44.3
6—7	3	—	—	—	7	—	10	14.3
8—	—	1	—	—	1	—	2	2.8
TOTAL	36	3	2	2	27	—	70	100.0

Table 6.

GRANTS 1965–1982
(in 1000 Swedish crowns)

	Applications granted		Amount awarded as a % per field
	Number	Amount	
1. Social Science	1 328	214 482	54.0
1.1 Economic history	79	10 919	2.7
1.2 Business administration	112	15 184	3.8
1.3 Economics	146	25 791	6.5
1.4 Cultural geography	130	21 781	5.5
1.5 Sociology/Soc.pol.	243	39 222	9.9
1.6 Statistics	50	8 076	12.0
1.7 Political science	220	41 495	10.5
1.8 Research on research	19	1 610	0.4
1.9 Information processing	16	5 783	1.5
1.10 Education/Psychology	263	39 762	10.0
1.11 Law/Criminology	50	4 859	1.2
2. Medicine	215	42 472	10.7
3. Natural Science	175	38 626	9.7
4. Technology	16	2 877	0.7
5. Humanities	564	88 571	22.3
6. Miscellaneous	60	10 345	2.6
TOTAL	2 358	397 373	100.0



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