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**INTERNATIONAL CENTRE FOR INDUSTRIAL STUDIES**

**WORK PROGRAMME  
FOR 1978-1979**

## INTRODUCTION

The projects contained in the present document are to be funded from the Regular Budget and executed by staff members with the assistance of outside organizations, institutions and individual consultants.

The key to the schedules used in this work programme is as follows:

### Meetings

1. Draft provisional annotated agenda and budget prepared.
2. Invitations sent to participants.
3. Special Service Agreements prepared.
4. Papers distributed.
5. Meeting held.
6. Final report distributed.

### Studies

11. Draft detailed annotated outline prepared.
12. Special Service Agreements prepared.
13. First draft report submitted.
14. Final report submitted.
15. Report distributed.

### Publications

21. Manuscript submitted to Editorial and Documents Control.

A sum of \$85,000 has been retained on a reserve basis for financing special study activities which may become of high priority at a later stage, in particular in connexion with the preparations for UNIDO III.

The work programme of the Technology Group is being issued separately under symbol UNIDO/ICIS 63.

Programme  
Component:

PROGRAMME FORMULATION AND DIRECTION

Project No.:

GEN-1

Title:

International industrial co-operation

Project Officers:

A. Basak, W. Behrens, K. Dey, H. Muegge and  
V. Richardson

Objectives:

In keeping with the terms of General Assembly resolution 2362 (S-VII) to develop concepts and strategies for industrialization appropriate to the establishment of a new international economic order: to propose financial and technical co-operation methods and mechanisms geared to the special and changing requirements of international industrial co-operation: and to promote a dialogue on industrialization issues.

Description:

A joint study to be undertaken by all Governments under the auspices of UNIDO and in consultation with UNCTAD and other agencies was launched in the previous biennium and work thereupon shall continue throughout the budget period in preparation for the Third General Conference of UNIDO.

Proposed 1978 Work Plan:

In consultation with the interested UN agencies and in full co-operation with all sections of the Centre and those sections concerned in other Divisions:

- (a) Assess the present structure of world industry and the anticipated impact of the Lima target upon the resource flows required by the developing countries:
- (b) Evaluate the economic aspects of international industrial co-operation, with particular emphasis on industrialization strategies and international interdependence, and launching studies on new forms of co-operation:
- (c) Assess the financial aspects of international industrial co-operation, with particular emphasis on private investment flows, investment insurance/guarantee schemes and access by developing countries to international capital markets:
- (d) Study legal aspects of international industrial co-operation with particular emphasis on the negotiation and implementation of contracts, and settlement of disputes:
- (e) Appraise the technological aspects of international industrial co-operation, with particular emphasis on evaluation and the selection of appropriate technology and the modes and terms of its transfer:

- (f) Consider the possibilities of promoting international industrial co-operation through inter-governmental and international arrangements which constitute a framework for such co-operation.
- (g) Hold (i) a meeting of a consultative group of economists to discuss new mechanisms for international industrial co-operation; (ii) a meeting of legal experts on international industrial contracting; (iii) a working group meeting with industrialists on arrangements for international industrial co-operation; and (iv) a meeting of an interagency co-ordinating group.

Proposed 1979 Work Plan:

- (a) As inputs to the final draft of the joint study for submission to the thirteenth session of the Industrial Development Board, and for circulation to Governments, continue and finalize the studies initiated in the previous year on the economic, financial, legal and technological aspects of international industrial co-operation, including intergovernmental and international arrangements.
- (b) Hold a meeting of the consultative group of economists.

Costing:

1978	Consultancy funds:	*205,000
	Meetings:	* 35,000
1979	Consultancy funds:	*102,500
	Meetings:	* 10,000

Schedule:

1978

Activity targets (a)

(b)

(c)

(d)

(e)

(g(i))

(g(ii))

(g(iii))

(g(iv))

	J	F	M	A	M	J	J	A	S	O	N	D
(a)		11										13
(b)		11		12					13			
(c)		11		12					13			
(d)		11		12					13			
(e)		11		12					13			
(g(i))		1/2	3	5								
(g(ii))				1/2		3					5	
(g(iii))				1/2		3			5			
(g(iv))			1/2	3	5							

Programme  
Component:

GLOBAL AND CONCEPTUAL STUDIES SECTION

Project No.:

GCS-1

Title:

Measuring and forecasting industrial development

Project Officers:

Y. Cho, I. El-Zaim, E. Gahan, M. Gehart, N. Ramm-Ericson  
and V. Zelentsov.

Objectives:

To strengthen UNIDO's capabilities to measure and forecast world industrial development and monitor progress towards implementing the Lima Declaration and Plan of Action, and to provide full support services to the Industrial Development Board in the fulfilment of its review and appraisal function.

Description:

A formal computer-based analytical framework has been conceived and constructed, depicting the world as a community of independent but interacting economic systems. This framework, the UNIDO World Industry Co-operation Model, the design and construction of which will take several years, will be used to analyse and forecast the global socio-economic consequences of any major industrial policy changes contemplated by countries, individually or collectively, taking into account on a continuous basis the work being pursued in the UN system on the Third Development Decade and the long-term development objectives.

At the same time, a systematic information-gathering process has been instituted as a means of monitoring progress by Governments towards the implementation of the Lima Declaration and Plan of Action.

Proposed 1978 Work Plan:

- (a) In developing the second generation of the model structures with particular emphasis on national policy simulations and international linkages:
  - (i) prepare a quantitative report on world development;
  - (ii) participate in the modelling activities undertaken under the auspices of the ACC Task Force on long-term objectives, as well as in preparations for the formulation of a strategy for the Third Development Decade; and
  - (iii) elaborate a manual on policy simulation and national data incorporation for those using the UNIDO model;
- (b) Participate, jointly with IDCAS, in the construction of a regional co-operation model for the Arab states on the basis of the UNIDO model;
- (c) Prepare for the Seventh International Conference on Input-Output Techniques by holding a meeting of the Steering Committee;
- (d) Continue to monitor the implementation of the Lima Declaration and Plan of Action, a second questionnaire being issued in the early months of the year.







Programme  
Component:

GLOBAL AID CONCEPTUAL STUDIES SECTION

Project No.:

GG-3

Title:

Promotion of concepts of industrialization

Project Officers:

J. Behrens and A. Paria

Objectives:

To supplement the developing countries' endeavours to devise industrial policies and strategies, as well as planning and programming methodologies.

Description:

Manuals related to the preparation and implementation of industrial projects will be elaborated and studies conducted in that field. Furthermore, a journal shall be published and meetings of eminent persons convened to discuss matters related to the industrial development of the developing countries.

Proposed  
1978 Work Plan:

- (a) Monitor the application of the Manual on the Preparation of Industrial Feasibility Studies and collect material for a revised edition, advise, in particular, on the introduction of the manual in pre-investment activities, and arrange for the undertaking of two case-studies on project preparation and financial analysis based on the above manual;
- (b) Initiate work on (i) a manual on the implementation of industrial projects and (ii) a manual on industrial branch planning;
- (c) Publish two issues of the journal Industry and Development and prepare two other issues for publication in the following year, further to which a special issue will appear late 1978 (or early 1979), focusing on the main themes of the Third General Conference of UNIDO;
- (d) As in the previous year, organize two meetings of eminent persons to discuss major issues relating to international industrial co-operation and national industrialization policies.

Proposed  
1979 Work Plan:

- (a) Continue work on the revision of the Manual on the Preparation of Industrial Feasibility Studies and the related case studies;
- (b) Continue work on (i) a manual on the implementation of industrial projects and (ii) a manual on industrial branch planning;

- (c) Publish two issues of the journal Industry and Development and prepare for the publication of two further issues in the following year;
- (d) Convene two meetings of eminent persons to discuss major issues of international industrial co-operation and national industrialization policies.

<u>Costing:</u>	1978	Consultancy funds:	\$20,000
		Meetings:	\$25,000
	1979	Consultancy funds:	\$27,500
		Meetings:	\$25,000

Schedule:

	J	F	M	A	M	J	J	A	S	O	N	D
(a)					11	12						13
(b(i))									11	12		
(b(ii))									11	12		
(c)	15								15			15
(d(i))		1/2		5								
(d(ii))									1/2		5	

Programme  
Component:

REGIONAL AND COUNTRY STUDIES SECTION

Project No.:

RCS-1

Title:

Regional and Country Analysis of Industrial Growth

Project Officers:

I. Angelov, J.E. Cabrera, E. Cairo, J. Cody, A. Feraldis, S. Jowhari, L. Matovu, A. Miroshnichenko, S. Nanjundan, H. Nawata, N. Ramm-Ericson, G. Robyn and T. Roepstorff.

Objectives:

To keep under constant review plans and programmes of industrial development of the developing countries and to study progress and growth potential in these countries, in the light of the target set in the Lima Declaration and Plan of Action, and to elaborate a framework for policies, strategies and measures, so as to contribute to the Third General Conference of UNIDO, Third Development Decade of the UN for the '80s and the international development strategy up to the end of the century. Furthermore, to assist in providing a framework for UNIDO co-operation with individual developing countries and with regional and sub-regional organizations.

Description:

The special issue of the Industrial Development Survey to be presented to the Third General Conference of UNIDO is intended to offer an in-depth issue-oriented analysis of the industrialization process and its contribution to development goals, within the framework of increasing international economic interdependence, and in the context of the goals set in the Lima Declaration and Plan of Action. The analysis will be directed towards (i) industrial development objectives and strategies; (ii) changing patterns of industrial development (trends in manufacturing value-added, manufacturing branches, and priority sectors, as well as cross-country analysis, implementation of the Lima target in terms of industrial growth up to 2000); (iii) linkages between industry and the primary sector; (iv) sectoral allocation of industrial resources; (v) manpower and technology; (vi) industrialization of the traditional sector; (vii) financing industrial development, and (viii) conclusions.

A programme of country surveys, known as country industrial development profiles, will be undertaken to provide statistical and economic analysis of the industry sector, its growth, present status and future prospects. These surveys are expected to provide analyses of use to country programming of technical assistance, industrial redeployment and investment co-operation activities.

Country studies of long-term prospects of industrial development up to 2000 will be carried out in depth, appraising industrial progress, prospects and potentials.

Regional surveys and studies will be undertaken in co-operation with the Joint Industry Divisions of Regional Economic Commissions, comprising (i) studies and papers in preparation for regional conferences of Ministers of Industry and of UNIDO conferences, and (ii) regional industrial development surveys to alternate with, and provide an input to, global industrial development surveys, every biennium.

Proposed 1978 Work Plan:

- (a) Complete the first draft of the Industrial Development Survey to be presented to the Third General Conference of UNIDO;
- (b) Complete 15 - 20 country industrial development profiles;
- (c) Complete 6 country studies of long-term prospects of industrial development up to the year 2000;
- (d) In undertaking regional surveys and studies, contribute to (i) an interpretive analysis of Latin American industrialization (in co-operation with ECLA); (ii) an assessment of long-term industrial development prospects in the Arab region (in co-operation with IDCAS and ECWA); (iii) the convening of an African symposium on policies for national collective self-reliant industrial growth (in co-operation with ECA); and (iv) formulation of a programme for the conduct of regional industrial development surveys (through Joint Divisions of Industry in the Regional Commissions).

Proposed  
1979 Work Plan:

- (a) Finalize and publish the special UNIDO III issue of the Industrial Development Survey;
- (b) Complete 15 - 20 country industrial development profiles;
- (c) Complete 4 country studies of long-term prospects of industrial development up to the year 2000;
- (d) In undertaking regional surveys and studies, contribute to the Regional Conferences preparatory to UNIDO III, and to the African symposium on policies for national collective self-reliant industrial growth, as well as commence regional industrial development surveys.

Costing:

Consultancy funds	\$127,000
Consultancy funds	\$ 90,000

Schedule:

1978

Activity  
targets

	J	F	M	A	M	J	J	A	S	C	N	D
(a)			12						12			
(b)			1 <sup>1/</sup>			1 <sup>1/</sup>			1 <sup>1/</sup>			1 <sup>2/</sup>
(c)		12									13	
(d)(i)		12				13						
(ii)									13			
(iii)			11									
(iv)									13			

1/ 4 countries

2/ 3 countries

Programme Component:

REGIONAL AND COUNTRY STUDIES SECTION

Project No.:

RCS-2

Title:

Industrial Statistics

Project Officer:

G. Robyn

Objectives:

To support ongoing and planned studies through the collection, storage and provision of industrial statistics, and through the development of the necessary quantitative methodologies.

Description:

Statistical series on gross domestic product, manufacturing value-added, manufacturing employment, and trade in manufactures will be maintained and updated, by country and region, and for subsectors of industry. The primary source of data is the UNSC, use also being made of data from the World Bank and UNCTAD.

Proposed 1978 Work Plans:

- (a) Update data to the year 1976;
- (b) Provide statistical data and analyses for programme element RCS-1 (Industrial Development Survey, regional and country surveys, and long-term country studies) and sub-programme SS-1 (industrial branch studies).

Proposed 1979 Work Plans:

- (a) Continue to update data;
- (b) Continue to provide statistical data and analyses;
- (c) Commence a study on the statistical analysis of structural changes and growth in industry.

Costing:

1978 Consultancy funds      --  
1979 Consultancy funds      \$15,000

Schedule:

		(1978)											
		J	F	M	A	M	J	J	A	S	O	N	D
Activity targets	(a)							13					
	(b)									13			

Programme  
Component:

REGIONAL AND COUNTRY STUDIES SECTION

Project No.:

RCS-3

Title:

Regional and inter-regional industrial co-operation

Project Officers:

I. Angelov, I. Matovu, A. Miroshnichenko,  
N. Ramm-Ericson, and T. Roepstorff

Objectives:

To review and analyse schemes and projects of regional industrial co-operation: to investigate constraints: and to identify opportunities for, and methods of, such co-operation, to the benefit of the long-term industrial development of the developing countries.

Description:

Mechanisms and methods of existing regional co-operation projects in industry will be studied, with a view to applying the results to the development of suitable arrangements for groups of developing countries. Furthermore, analysis will be made of the experiences of joint industrial co-operation projects involving two or more countries.

Proposed 1972 Work Plan:

- (a) Participate in the organization of a Round Table Ministerial Meeting to be held in Sofia, Bulgaria, to discuss principles, mechanisms and new approaches of co-operation between Council for Mutual Economic Assistance and developing countries:
- (b) Prepare, as part of the joint study on international industrial co-operation (GEM-1), a study on industrial co-operation between CMEA and developing countries, focusing on: economic, technological, legal and other prerequisites: institutional structure: financial and legal aspects: and new approaches to co-operation:
- (c) Prepare, for the Secretariat of the ECOWAS (Economic Community for West Africa), an inventory of information on industrial development in that region:
- (d) Initiate an analytical survey of joint industrial co-operation projects involving two or more countries, with a view to identifying conclusions and guidelines more generally applicable to regional industrial co-operation:
- (e) Co-operate with, and assist, ESCAP in analysis of the industrialization potential in the South Pacific region, determining specific industries and an appropriate institutional framework, as well as examining the possibilities of regional co-operation for priority industries.

Proposed 1979 Work Plans:

- (a) Assist the ECOWAS Secretariat in the preparation of a regional industrial survey, as part of an economic development survey;
- (b) Continue and complete the analytical survey of joint industrial co-operation projects initiated in the previous year;
- (c) Continue the co-operation with ESCAP in the analysis of industrialization potential.

Costing:

1978 Consultancy funds:           \*20,000

1979 Consultancy funds:           \*10,000

Schedule:

1978

Activity targets

- (a)
- (b)
- (c)
- (d)
- (e)

J	F	M	A	M	J	J	A	S	O	N	D
		2			4			5		6	
11	12					12			14		
12											
								11			
				11							



Programme  
Component:

REGIONAL AND COUNTRY STUDIES SECTION

Project No.:

RCS-1

Title:

Development of institutional infrastructure for industry

Project Officers:

E. Cabrera, L. Matovu, and M. Ramm-Ericson

Objectives:

To contribute to the development of effective institutional infrastructure in the developing countries as a prerequisite for increasing industrial production and generating employment, in the light of the aspirations of the Lima Declaration.

Description:

The developing countries' experience in the development of institutional infrastructure will be constantly reviewed, emphasis being placed on promoting co-operation among developing countries, with a view to strengthening institutional machinery at the country level.

Proposed 1978 Work Plan:

- (a) As a follow-up to the study on institutional infrastructure for industry completed in the previous biennium, organize and conduct a meeting for the least developed African countries, at which experiences of the problems and needs for the establishment and management of a co-ordinated and unified institutional infrastructure will be closely reviewed, and specific recommendations made for action by individual countries, groups of countries and international agencies;
- (b) Prepare a study on the role of the public sector in the industrialization of Latin America as a contribution to the documentation for the forthcoming Latin American Ministers' Conference on Industrialization.

Proposed 1979 Work Plan:

- (a) Follow-up the findings and conclusions of the study on institutional infrastructure at the country level in connexion with work under RCS-1.

Costing:

1978 Consultancy funds:           \*15,000  
Meetings:                               29,000

Schedule:

1978

Activity targets

(a)  
(b)

J	F	M	A	M	J	J	A	S	O	N	D
1	2,3		4					5			
		11	12				13				

Programme  
Component:

REGIONAL AND COUNTRY STUDIES SECTION

Project No.:

RCS-5

Title:

Industrialization in relation to rural development

Project Officers:

E. Cabrera, S. Nanjundan, and M.T. Roepstorff

Objectives and  
Description:

To keep under review experience of industrialization in relation to rural development, with a view to developing and strengthening strategies, policies and programmes for the industrialization of rural areas, based as much as possible on self-reliance and the participation of local human and material resources. Case studies will be undertaken of the role of industrialization in rural development; studies will also relate to such aspects as entrepreneurial development, institutional mechanisms (including industrial co-operatives and industrial estates), the process and "agents" of change. Staff will also be involved in the inter-divisional working group on rural development, and in the UNIDO/Polish programme for industrial co-operatives.

Proposed  
1978 Work Plan:

- (a) Prepare for publication the report and documents of the Expert Group Meeting on Industrialization in Relation to Integrated Rural Development, held in December 1977;
- (b) Prepare a paper on the role of industrialization in rural development for submission as UNIDO's contribution to the FAO World Conference on Agrarian Reform and Rural Development;
- (c) Prepare a paper on the role of industrial co-operatives for submission to the ICA World Conference on Industrial Co-operatives to be held in October 1978;
- (d) Initiate case studies of successful rural industrialization programmes, utilizing resources, skills and technologies appropriate to the rural situation, and taking account of required market and product characteristics;
- (e) Cooperate with ESCAP on a study of industrialization outside metropolitan areas, which provides a linkage between regional and rural development.

Proposed  
1979 Work Plan:

- (a) Undertake studies in least developed countries with a view to elaborating a concept and project design for industrial estates, and rural or urban clusters, taking into account the institutional requirements;
- (b) Continue case studies on experiences of rural development, particularly on self-management institutions and techniques, group ownership institutions, training techniques and entrepreneurial development - for upgrading enterprises, cooperatives and other institutions - and organize consultation meetings with a view to exchanging experiences, refining concepts and developing programmes of rural industrialization.

Costing:      1978      Consultancy funds      : \$15,000  
                   1979      Consultancy funds      : \$25,000

Schedule:  
1978

Activity  
targets

- (a)
- (b)
- (c)
- (d)
- (e)

J	F	M	A	M	J	J	A	S	O	N	D
	1 <sup>2</sup>	1 <sup>4</sup>									
	1 <sup>1,2</sup>		1 <sup>3</sup>	1 <sup>4</sup>							
		1 <sup>1,2</sup>		1 <sup>3</sup>		1 <sup>4</sup>					
			1 <sup>1</sup>	1 <sup>2</sup>				1 <sup>3</sup>		1 <sup>4</sup>	
1 <sup>1</sup>				1 <sup>2</sup>							



Programme  
Component:

REGIONAL AND COUNTRY STUDIES SECTION

Project No.:

RCS-7

Title:

Completion of studies undertaken in 1976/77

Project Officers:

- (a) J. Cody
- (b) J. Cody and G. Robyn

1978 Work Plan:

- (a) The two studies on (i) Industrial Development Policy Analysis and (ii) Selection of Industrial Priorities (RCS-5 (1977)) will be published and disseminated.
- (b) The study on Industrial Processing of Pyrethrum, Tin and Jute (RCS-9 (1977)) will be completed and published.

Costing:

Schedule:

1978

Activity targets (a(i))  
(a(ii))  
(b)

J	F	M	A	M	J	J	A	S	O	N	D
	13					14		21			
	21										
								13	14	21	

Programme                    SECTORAL STUDIES SECTION  
Component:

Project No.:                55-1

Title:                     Industry branch studies

Project Officers: F. Angulo, A. Farinpour, P. Gonod, Y. Grebtsov,  
N. Kourochkin, V. Kushnerov, A. Miklovicz, H. Maidu,  
A. Salburg

Objectives:                To assist the developing countries in the formulation of viable development policies in the various industry sectors and in the identification of ways and means of promoting co-operation between developing and developed countries and among the developing countries themselves, thereby contributing to the achievement of the world industrial production target set in the Lima Declaration and Plan of Action.

Description:               Five world-wide studies were prepared during the previous biennium and a further four studies will be completed in the current biennium at the industry branch level in selected sectors, special summaries thereof being prepared for the system of consultations, in which the key issues of industrial expansion in the relevant sectors will be identified. The studies will be up-dated as required so as to meet the need for in-depth knowledge of certain factors and to take into account the results and recommendations of the consultation meetings.

In these industry branch studies attention shall be paid to such economic, technological and social aspects as: alternative supply and demand models, market trends, energy requirements, technological and environmental developments, present and potential industry locations, manpower and investment requirements, and alternative approaches to increasing the developing countries' share in industrial production by the year 2000. Incorporated within these studies shall be case studies on a country basis of special relevance to the sectoral analysis.

Proposed  
1978 Work Plan:

- (a) Complete updating of studies on (i) fertilizer industry; and (ii) iron and steel industry;
- (b) Initiate updating of studies on (i) vegetable oils and fats industry; (ii) leather and leather products industry; and (iii) agro-industries;
- (c) Complete studies on (i) petrochemicals industry; and (ii) pharmaceutical industry;
- (d) Initiate studies on (i) agricultural machinery and implements industry; and (ii) capital goods industry;
- (e) Hold technical panel meetings to discuss draft studies on (i) petrochemical industry; (ii) agro-industries; and (iii) pharmaceutical industry.

Proposed  
1979 Work Plan:

- (a) Complete updating of studies on (i) vegetable oils and fats industry; (ii) leather and leather products industry; (iii) agro-industries; (iv) petrochemicals industry; and (v) pharmaceutical industry;
- (b) Complete studies on (i) agricultural machinery and implements industry; and (ii) capital goods industry;
- (c) Hold technical panel meetings to discuss draft studies on (i) agricultural machinery and implements industry; and (ii) capital goods industry.

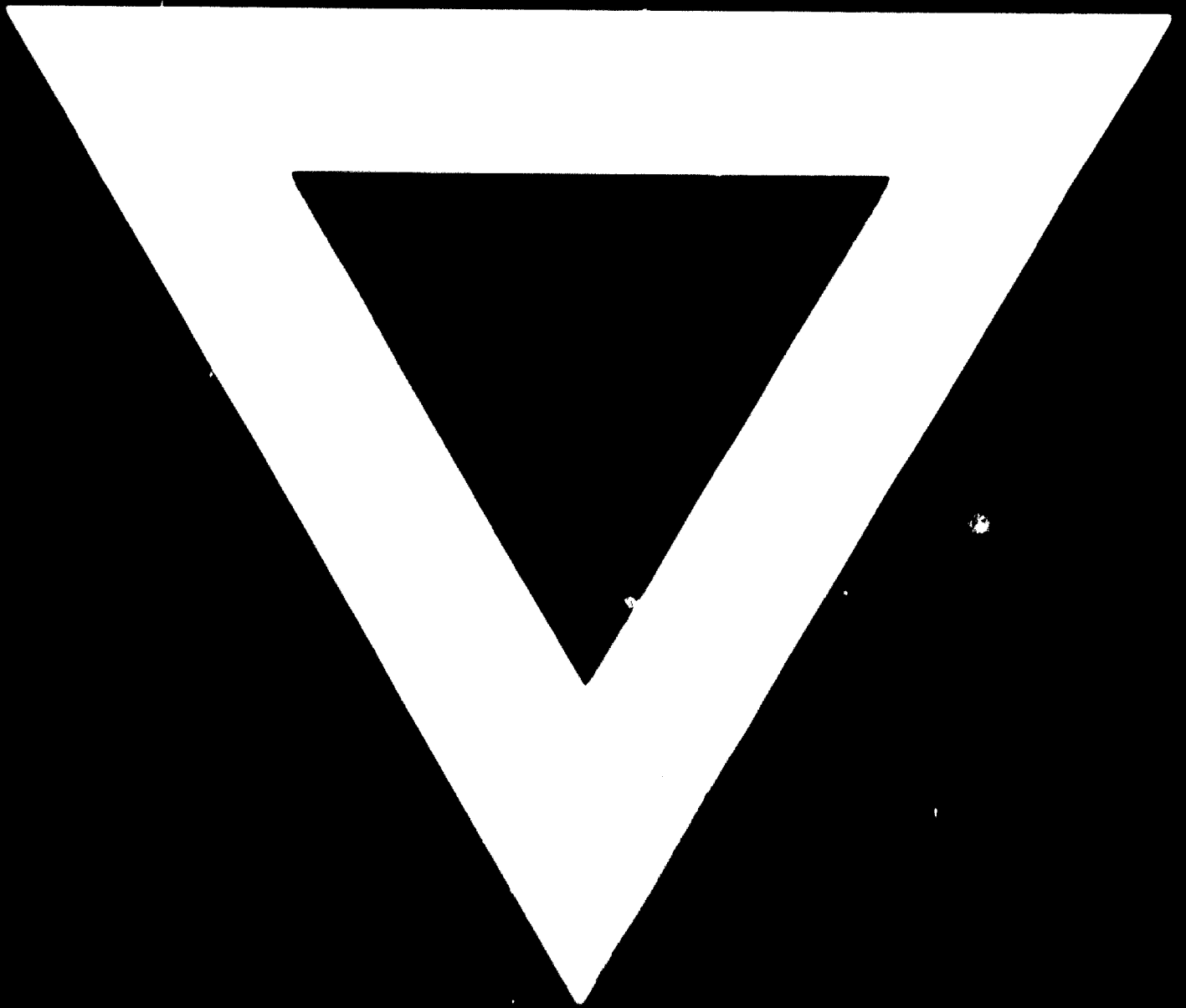
Costing:

1978	Consultancy funds:	\$12,500
	Meetings:	\$ 27,000
1979	Consultancy funds:	\$200,000
	Meetings:	\$ 18,000

Schedule  
1978

	J	F	M	A	M	J	J	A	S	O	N	D
(a(i))		13				14			15			
(a(ii))		11		12			13				14	15
(b(i))						11		12				
(b(ii))							11			12		
(b(iii))												11
(c(i))			13				14		15			
(c(ii))		13				14		15				
(d(i))			11	12							13	
(d(ii))			11		12							
(e(i))						1	2,3	4	5	6		
(e(ii))						1	2,3		4		5	6
(e(iii))							1	2,3	4	5	6	

**C-102**



**80.02.18**