

資 料 編

We would like to know and study about the following items:

1. Study or Project Proposal by Deppen for the establishment of the Multi-Media Training Centre.
2. A long-term planning for employment of personnel and its development of capability in connection with the expansion of broadcasting network.
3. The school education system and educational level.
4. Concerning existing TCs:
Curriculum, training courses, number of trainees, training effect and some points to be improved in future concerning result of evaluation.
5. Concerning staff administration system:
 - a. regulations (rules) of hiring requirement (including recruitment system).
 - b. regulations (rules) of promotion.
 - c. regulations (rules) of evaluation of merit.
6. Concerning organization structure:
 - a. the organization chart
 - b. the job-description (definition of duties) of personnel on their jobs
 - c. the staffs' educational background on each unit
7. The process of main job activities (work flow) as below mentioned:
 - a. from the programme planning to ON-AIR
 - b. from the occurrence of equipment damage to the completion of repairing work
 - c. from the drafting of construction/introduction plan of new station/ equipment to the completion of its work
 - d. from the decision making for organization control to the execution of the management.
8. The Unit Cost of technician, laborer, building construction materials, facilities and others concerning building construction.
9. The confirmation of land situation for the Multi-Media Training Centre in Yogyakarta.

RADIO AND TELEVISION BROADCASTING TRAINING CENTRE

JUSTIFICATION

During the second five year plan, April 1974 - April 1979, there had been a considerable increase in Radio and Television technological development in Indonesia.

The relatively speeder increase in the broadcasting facilities both quantity as well as quality wise and the slower implementation of the planned increase of the manpower development to meet the acceleration in the hardware development, resulted in a serious shortage of qualified personnel, especially in the various technological, programme productional, administrative and managerial aspects.

For the means of solving above mentioned problem, it is expected that new Radio and Television broadcasting training centre will be constructed at early stage.

The existing training centre in Jakarta at present are geared to train about 28 percent only of the need for personnel by the end of 1984, whence the new training centre are planned to provide training at a higher rate than the existing one. After completion of the new training centre, the existing training centre in Jakarta will be shifted its position into one of branch training centre.

Verious considerations call for Yogyakarta as the most suitable location for the new training centre besides other possible sites, as following reasons:

- a extensive land has been prepared in Yogyakarta by Ministry of Information,
- Yogyakarta has been known for its cultural and academic activities, thus creating the right atmosphere for the new training centre,
- Close cooperation with the University of Gajah Mada and the technical facilities is another favourable factor for such training,
- added to this, its socio-cultural and geographical situation, Yogyakarta will be thus represent the ideal location for the new training centre of a cultural-educative nature.

PROCUREMENT METHOD

1. First step

Aware of its limitations with regard to experienced and professional personnel, the Ministry of Information has expected technical assistance in the form of expertise in management, engineering services, in the conducting of surveys and feasibility studies, in general and detailed designing including following items:

- evaluation and analysis of existing training centre and training programmes,
- establishment of basic concept for the new training centre,
- realization of basic plan for scale and training programmes,
- calculation of construction cost,
- calculation of operation cost,
- to prepare a recommendation of the best way for the establishment of new training centre.

2. Second step

After the execution of first step, it is expected that construction of new training centre will be commenced by means of Japanese grant aid.

- estimated construction cost: ¥1,000. Million - ¥1,500. Million
(US\$ 4,545,500) (US\$ 6,820,000)
- expected training personnel: 500 - 1,000. person/year
refer to attached sheet.

In the period of PELITA III, the Government of the Republic of Indonesia will expect to complete the construction works and also, in the same period necessary facilities for the training should be installed synchronization with the building construction.

CONSTRUCTION PLAN OF TRAINING CENTRE

1. OUTLINE OF THE PLAN

This construction plan is composed of two sections, which are a Training Centre building and a dormitory for trainees.

We expect that trainees who has been working in RRI and TVRI as well as new employees for RRI and TVRI will obtain basical knowledge and capability on the jobs concerning broadcasting in this Training Centre.

For the purpose of their study, there are necessary systematical integrated facilities as model of Radio and TV Station as same as scale of Local Station, Lecture Room, Laboratory (Experiment Room), and others in the Training Centre.

We expect that it is possible to educate 50 to 100 personnels per day in this Training Centre.

Expected Training Courses and Curriculum are mentioned hereinafter, but it is not fixed because of being no experiences for such matters of ours. Therefore, we expect that detailed plan should be studied by the Committee under the Japanese experienced experts' guidance at the first stage.

2. TRAINING COURSE

(1) For new employees:

Orientation, basical knowledge on what is the broadcasting enterprise and what should be done and always kept in mind as the staffs who work in the said organization, will be given for new employees.

(2) For existing employees

i) Basical Training

To give education on obtaining necessary basical knowledge and its application on programme production, technical engineering and administration.

ii) Vocational training

a) Programme Production group

To obtain special knowledge and capability on programme

planning and composition, expression method of aural/visual and its effect, programme formation method, news gathering method, announcing technique and so on.

b) Technical engineering group

To obtain special knowledge and capability on aural, visual, telecine, VTR, camera, lighting, transmitter technique and so on.

c) Administration group

To obtain special knowledge and capability on programme schedule control, data and material control, manpower control, budget control, general affairs and so on.

(3) Promotion training

To obtain wider and deeper capability for their promoted position.

(4) Management training

To obtain vision, effective management technique and management capability expansion.

(5) Special training

To obtain deeper knowledge and higher capability for the special job, as new projects, system design, etc.

3. Training Schedule

3. TRAINING SCHEDULE

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
1. New employees training												
	100 persons											
2. Basical training							25				25	
3. Vocational training												
i) Programme						10	10	10	10	10	10	10
ii) Engineering						20	20	20	20	20	20	20
iii) Administration						5	5	5	5	5	5	5
4. Promotion training			5	5	5							
5. Management training			5	5	5							
6. Special training	10											

4. SCALE OF TRAINING CENTRE

(1) Training Centre Building

Radio Studio	1
TV Studio	1
Lecture Room	4
Laboratory	2
Equipment Study Room	7
Library	1
Instructors' Room	1
Others	

Total 3,400 m²

(2) Dormitory Building

Room	60
Cafeteria	1
Kitchen	1
Community Room	1
Others	

Total 2,500 m²



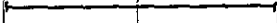




5. CONSTRUCTION COST

¥1,000,000,000. - ¥1,500,000,000.
(US\$4,545,500) (US\$6,820,000)

6. BUDGET ALLOCATION

Japanese Grant Aid

7. TENTATIVE TIME SCHEDULE

	80/81	81/82	82/83	83/84
Feasibility Survey	 (JICA)			
Detailed Design	 (JICA)			
Construction of Building				
Installation of facilities				
Beginning of Training				
Cultivation of Instructors				
Consulting Services	 (JICA)			

PROJECT PROPOSAL
FOR
THE ESTABLISHMENT OF MULTI-MEDIA TRAINING CENTRE
I N
YOGYAKARTA

- DRAFT -

JANUARY 1981

THE MINISTRY OF INFORMATION
OF
THE REPUBLIC OF INDONESIA

FOREWORD

This Project Proposal has been prepared by the STEERING COMMITTEE for the establishment of Multi-Media Training Centre.

There are several recommendations and studies which initiated this scheme,

- as result of the MANPOWER DEVELOPMENT STUDY (1978).
- a proposal concerning the staff training, entitled THE ESTABLISHMENT OF EDUCATIONAL BROADCASTCENTER OF INDONESIA (1972), proposed by Mr. IWAMOTO who was a staff of the advisory team from Japanese Government to the Ministry of Information RI.
- several recommendations by internal staffs, foreign experts and consultants.
- as result of observation of several training centres (domestic and overseas) by members of the steering committee.
- as result of careful discussion/study by the steering committee under the assistance of a GTC expert.
- as result of a workshop on Education and Training system.

The MULTI-MEDIA TRAINING CENTRE will have the function of the "NUCLEUS" of all training activities in relation to the mass media in the future. As mentioned in this Project Proposal however it is difficult to define the complete design of the Multi-Media Training Centre on time. Therefore, the training in the first phase will be concentrated on radio, television and film.

Members of the Multi-Media T.C. Steering Committee

1. Sjamsoe Soegito - Chairman
Director General,
Research and Development,
Ministry of Information
2. F. Rachmadi - Executive chairman
Director,
Centre of Research and Development
of Information System,
Ministry of Information
3. Astrid S. Susanto - Member
Director, Bureau of Information,
Culture and Science,
National Planning Board
4. Atmoko - Member
Secretary, Directorate General of
Radio-TV-Film,
Ministry of Information
5. Oemar Khatab - Member
Secretary, Directorate General of
Press and Graphic,
Ministry of Information
6. Kamaluddin - Member
Director, Bureau of Planning
Ministry of Information
7. Sumartono - Member
Director, Centre of Research and
Development of Information Technology,
Ministry of Information
8. Dwipayana - Member
Director,
States Film Production Centre,
Ministry of Information
9. M. Gultom - Member
Director, Centre of Education and
Training, Ministry of Information
10. Suwardi Hassan - Member
Head, RRI - Training Centre,
Ministry of Information
11. B. Sembiring - Secretary and Member
Head, TVRI - Training Centre
Ministry of Information

1. BACKGROUND

- 1.1 During the past ten years the Indonesian Government has made great efforts to build up a nationwide Radio and Television network. At present as many as 49 RRI stations with a network of 253 transmitters and a capacity of 2560 KW and 9 TVRI stations with 125 transmitters/translator and microwave stations are in operation. A domestic satellite system (SKSD) was launched in 1976.

Additionally, there is a state-owned film company (PPFN) in support of the Government's mass media efforts, with an output of approx. 80 non feature and 4 featur films annually and fortnightly news magazines. The circulation of newspapers and magazines is increasing.

Quantitavely, the national broadcasting network and the mass media nowadays cover the greater part of the Indonesian archipelago - if the people own receiving sets or can be reached by the transmission or distribution system; but qualitatively, the mass media need to be improved. Such an improvement ought to be introduced step by step - both in the hardware as well as the software sector. Because of the extension and the improvement of the Radio and TV network as well as the other mass media the qualification of the personnel also has to be improved. For this purpose, the Ministry of Information is planning to establish an integrated Multi-Media Training Centre in Yogyakarta.

- 1.2 Information media in Indonesia - whether radio, television or printed media and even nowadays personal communication - make use of technical communication equipment, which were formerly unknown or only later introduced to Indonesia. For example: Radio broadcasting on a national scale using only Indonesian technical and programme personnel was establish as late as in 1945 under the name of RRI, mainly to contribute to the struggle for national independence; while the industrialized countries already had been operating their domestic and overseas broadcasting network since the early 1930's.

During the initial period of existance of mass media, the professional personnel which can be put to work is relatively limited, because in the beginning there is only little demand for output and the new media must be adjusted to the initial condition. Later on it is sometimes difficult to cope with the growing demands due to the lack of professional staff. This

was the case in Indonesia during the first decades after the introduction of mass media.

As national development is progressing, the need for better performance of the programme and technical output as well as larger audience coverage also is increasing. Technological development depends, among other things, on stable economic and political conditions. Technical as well as technological personnel cannot be expected to be recruited in sufficient numbers from the existing national system of formal education alone.

In order to obtain skilled professional personnel to cope with the growing needs of mass media, it is, therefore, indispensable to set up an overall training system simultaneously with the construction of the new Multi-Media Training Centre.

- 1.3 The existing training centres of TVRI and RRI have received assistance from the Federal Republic of Germany in the form of experts, equipment and overseas training awards (scholarships). Besides that, technical assistance from the Colombo Plan was also received.

In addition, PPFN is running its own training system - partly in cooperation with LPKJ (Department of Cinematography).

While these education and training activities deal with the specific needs of RRI/TVRI/PPFN, including broadcasting management, the administrative and general information is carried out in PUSDIKLAT DEPPEN (Training Centre of the Ministry of Information).

The press is organizing its own internal basic and upgrading training.

- 1.4 TVRI, PPFN and some regional RRI Training Centres are located in the same building as the production units. This has inconvenienced both the production as well as the training system because training facilities are occasionally used for production purposes and viceversa; besides that trainees are required sometimes for supporting production activities.

The various media have certain aspects in common, including language, communication principles, psychology, anthropology for the social aspects of the input and output of the media - while exact and natural science, including basic engineering for communication, serve to provide knowledge and skill for the technicians to develop their ability in operation,

maintenance and design of the technical sub-system. For these mutual aspects, an integrated Multi-Media Training Centre is more appropriate than the separated Training Centres which must also cope with the many joint subjects.

The existing Training Centre have limited capabilities in training although there is a pressing need for qualified operational and programme personnel to serve the advanced technology and sophisticated arts already available.

To cover the future development it is, therefore, a must to look for an improved training system which can fulfil the challenge of the advanced information technology.

- 1.5 A MANPOWER DEVELOPMENT STUDY was carried out by a Study Team under the assistance of GTC experts in 1978 concerning the staff requirements of RRI, TVRI, and PPFN for 1979-1984 (Repelita III).

This study mainly reveals that:

- more educational staff is needed,
- job descriptions and career planning should be drawn up,
- professional commitment needs to be strengthened,
- management training should be introduced.

This manpower study and additional internal observations revealed the inadequacy of the ratio personnel against equipment. The policy of extending the hardware has to be matched by a sound development of the manpower and by sufficient training of the entire personnel.

It is obvious that the special need for professional training cannot be covered by the existing system of formal education; therefore, a training for programme, technical, administrative and managerial personnel is necessary with in the broadcasting/mass media institutions.

1.6 Number of Trainees

- 1.6.1 The training institutions have produced the following output so far:

AKPEN (Akademi Penerangan) : 1957-1975, approx. 900 Deppen employees in the field of information, press, film and radio.

TVRI TRAINING CENTRE : 1970-1979, approx. 1000 programme/technical employees were trained (out of approx. 2900, including administration);
750 trainees passed the basic training.

RRI TRAINING CENTRE : 1976-1980, altogether approx. 1200 trainees joined basic and intermediate courses (approx. 980 RRI employees, out of approx. 3900, including administration, and 310 non-RRI-employees).

PRESS : 1974-1979, approx. 2000 employees were trained in the different press training institutions.

1.6.2 The following numbers of new employees have been required for the following years of 1979-1984 (in Repelita III) in the report of the MANPOWER DEVELOPMENT STUDY.

RRI	: programme	: 250
	: production	: 60
	: technique	: 30
	: fill the vacancy who will retire in the years of Repelita III	
		: 230
	<u>TOTAL</u>	<u>: 570</u>
TVRI	: programme	: 200
	: technical/studio production	: 119
	: film production	: 100
	: for one new station	: 90
	: fill the vacancy who will retire in the years of Repelita III	
		: 10
	<u>TOTAL</u>	<u>: 519</u>
PPFN	: producer	: 5
	: technical/production	: none
	: fill the vacancy who will retire in the years of Repelita III	
		: 46
	<u>TOTAL</u>	<u>: 51</u>

1.6.3 It is expected that the basic/upgrading/advance training for the existing and future employees will be executed in the years of Repelita III (1979/1980-1983/1984) as following figures.

RRI	: in general, RRI is estimating a yearly figure of 7% of the current staff for training activities = approx. 250 persons/year (120 programmers/130 technicians)
DIREKTORAT RADIO	: approx. 90 persons/year (45 programmers/45 technicians)
TVRI	: 500 employees have not joined yet the basic training; approx. 1500 operational personnel have to attend further training courses; 1090 new employees will be recruited (the TVRI-TC capacity is approx. 250 trainees/year).
DIREKTORAT PEMBINAAN FILM	: approx. 240 personnel/year for the production and operational field.
PPFN	: is planning a basic training for approx. 70 new recruited employees (10 producer, 61 operational personnel).
PRESS	: approx. 1000 journalism trainees are estimated.

1.7 Studies concerning Multi-Media Training Centre

A Feasibility Study by UNDP/UNESCO among others strongly recommended to install a new overall training institution.

In addition, some other surveys are undertaken by Indonesian institutions, e.g. "Evaluation of DEPPEN-Training Centre" by BP2PEN and "Job Description" by TVRI/LAN, (LAN means Institute of National Administration) to support the establishment of the Multi-Media Training Centre and the improvement of proceeded daily jobs in the existing organization. And also these various studies concerning Multi-Media Training Centre have been supported by a GTC expert and a JICA expert.

As an additional engagement it has been agreed that the Japanese Government will support the Multi-Media Training Centre by Technical Assistance on Grant Aid bases.

1.8 As a result of last year's experience and the recommendation of several studies, in 1980 the discussion concentrated on the establishment of an "Integrated Multi-Media Training Centre" for the operational personnel. This term refers to an umbrella organization, including the intended Radio, TV and Film Training Centre in Yogyakarta, a press journalism, a printing and graphic-TC.

The idea is to avoid an overlapping of the basic training needs for the several mass media. Following the principle of "life-long-learning" one also has to take into consideration that a permanent training upgrading seems to be necessary to satisfy the future requirements technological development.

1.9 Regarding the national aspiration, the target of the education and training in the Multi-Media Training Centre is to support the national information development policy. To succeed in a sound and constructive development one has to take into consideration that the majority of the audience is the rural population and, therefore, communication among the people and participation in policy ought to be supported by the electronic mass media; hence the programme should concentrate on rural information broadcasting.

2. JUSTIFICATION

2.1 By Decision Letter No. 146/KEEP/MENPEN/1980 the Minister of Information of Indonesian Government has established a Steering Committee with the task of supervising and guiding the preparation of the Multi-Media Training Centre.

2.2 The Multi-Media Training Centre will be under supervision/control of the Ministry of Information.

A final decision on the status of the Multi-Media Training Centre has not yet been taken, but this aspect has to be examined in detail. A clear definition of the functional and structural status is essential, because possibly non-departmental trainees may also join the Multi-Media Training Centre.

2.3 The future Multi-Media Training Centre will become an integral part of the several DEPPEN education and training institutions coordinated by PUSDIKLAT DEPPEN. Besides the Multi-Media Training Centre, there are RRI-TC, TVRI-TC and the PUSDIKLAT DEPPEN operating in the fields of management, administration and skill training for photography, exhibition design, information officers and mobile units. Besides the constitution of the new Training Centre, the status and function of the existing Training Centre, therefore, has to be clarified.

2.4 The future training centre will be named "PUSAT PENDIDIKAN DAN LATIHAN MULTI-MEDIA"(=MULTI MEDIA TRAINING CENTRE)

3. OBJECTIVES

3.1 The MULTI-MEDIA TRAINING CENTRE will mainly take care of basic, intermediate and advanced training purposes - as required by manpower and career systems of the corresponding mass media institutions. In accordance with the recommendations of the Manpower Development Study (1978) the training in the first phase will concentrate on programming, mainly for radio, television and film. But it is felt that the training of technical and engineering personnel training for the operation and maintenance of equipment must also be provided for.

If priority is given to the operational personnel, nevertheless for the administrative and managerial personnel introductory courses should be installed in order to obtain a basic knowledge on mass media matters.

3.2 The target of the MULTI-MEDIA TRAINING CENTRE is to cover below mentioned items:

- the professional training needs of the future newcomers - covering basic training, with priority to the software
- the professional training needs of the present personnel - covering intermediate and advanced training.

3.3 The MULTI-MEDIA TRAINING CENTRE as the so-called umbrella organization could become the centre of all training activities in the field of radio, tv, film, press and traditional media within the Ministry of Information. So far it has not yet been decided which institution within the MULTI-MEDIA TRAINING CENTRE would take care of the upgrading and advanced training, especially with regard to the existing RRI, TVRI, and PPFN-TCs, which may be transferred into "on-the-job-TCs".

3.4 Participation in several training courses as a prerequisite for merit points within the framework of a credit system should be obligatory. Attending and passing the training courses at the MULTI-MEDIA TRAINING CENTRE or any other of the existing training centres should not only result in professional benefit but also in the improvement of the individual career prospects.

4. CURRICULUM

- 4.1 The system of training depends on the long-term planning, extension of the Radio and TV network equipment and improvement and on the national information policy.
- 4.2 A curriculum is a plan for providing subjects of learning to achieve clearly defined targets and related specific objectives, describing entrance qualifications as well as the test regulations. The curriculum of MULTI-MEDIA TRAINING CENTRE has to be participant-orientated, concentrating on practice and flexible to the needs and supporting the programme and technical development.

The intended integrated curriculum will cover the basic training subjects for radio, television, film and press journalism whereas the specialized subjects will be taught separately.

- 4.3 The courses of MULTI-MEDIA TRAINING CENTRE may run from some weeks to some months or even years; the trainees have to pass several tests and receive a final certificate which should have a "civil effect" (in form of credit points, echelon, etc.). The training should concentrate on practice and practical work stimulating actual work activities on programming, technical and engineering matters.

The teaching methods to be utilized may be classroom lectures as well as field trips, training productions, seminars, discussions; the trainees have to work in practice and to write individual or collective papers.

- 4.4 The courses for newcomers training, vocational training, promotion training, management training and special training will be prepared and implemented. The following items will be covered in the MULTI-MEDIA TRAINING CENTRE, among others:

- for General Information Policy : such as information strategy and policy, public realtions, exhibition, traditional media, rural communication, information management and administration, etc.
- for RRI/non-RRI : scriptwriter, editor (information, educatio rural events, culture, music, entertainment sports, etc.), programme planner, librariar

- (music, literature, clipping), news editor (reporter, interviewer, commentator), announcer, operator (audio, studio, OB-production, TX, maintenance, etc), technicians, audience researchers, audio accoustical, high frequency engineers, radio administrator and manager.
- for TVRI : producer, scriptwriter, programme planner, PD, announcer, reporter, commentator, interviewer/moderator, news editor, news caster, executive manager, TD, FD, make up, costume, designer, TV-film-music director, graphic designer, stage designer, electronic cameraman, lighting director, operator (video, audio, VTR, telecine, lighting, switcher, etc), studio technician/maintenance (video, audio, VTR, telecine), film director, special effect cameraman, film cameraman, film editor, film animator, photographer, film laboratory technician, TX-technician/maintenance, accoustical, audio, video, film. VHF, UHF, SHF engineers, librarian, audience researchers, tv administrator and manager.
- for PPFN/FILM : producer, production manager, scriptwriter, reporter, interviewer, cameraman, laboratorium technician, editor, designer, audio technician, lightingman, animator, director, art director, special effect cameraman, film administrator and manager.
- for PRESS : journalist, reporter, interviewer, press administrator and manager, publisher.

The trainees should alternately attend the joint subjects to avoid an overlapping in teaching matters.

- 4.5 A special training of the trainers is necessary. The current staff of RRI and TVRI instructors (approx. 30 persons) has to undergo immediately an upgrading in teaching methodology as well as in professional skill. PPFN, Direktorat Film and Direktorat Radio don't have permanent staff instructors so far.

Additional teaching staff is needed, both for existing TCs as well as for MULTI-MEDIA TC, the recruitment has to be done in 1981.

Because of various teaching methods and the need to keep up with the rapid development of technology, the internal upgrading calls for the highest attention.

In support of the teaching staffs a coordinating office for teaching methodology and pedagogics has to be established, which will also be responsible for feedback from ex-trainees and periodical evaluation of the overall training system.

The quality of the training system depends on the qualifications of the instructors, availability of training aids and the management.

5. FACILITIES/PERSONNEL

5.1 For the first phase of MULTI-MEDIA TRAINING CENTRE the following facilities and personnel are requested:

- a board of principal/executive board (representing radio, TV, film, press, etc).
- a sufficient staff or lecturers, who first need a basic training in teaching methodology and furthermore permanent professional upgrading,
- an office with at least one educational expert, preparing all the teaching aids, advising the instructors in pedagogical matters, etc.
- a well equipped library (with printed and audio visual materials and training aids),
- the necessary training facilities, as TV, radio, film studio, printing apparatus, teaching rooms,
- the necessary facilities to simulate technical activities such as production, transmitting, researching and measuring work for trouble shooting exercises,
- discussion rooms to discuss various problems on production and technical matters,
- dormitory for approx. 500 persons,
- recreational facilities and musholla (small mosque)

5.2 The training equipment should consist of at least the same type of equipment presently in the studios/production units (both old and new) and transmitting and measuring facilities.

5.3.1 A rough estimation for the necessary space is based on the following datas, which have to be investigated carefully:

5.3.1.1 GROUND : in Yogyakarta 3.5 ha

5.3.1.2 STUDIOS : 1750 m²

- 2 Television (450m²/200 m²)
- 1 Film (450 m²)
- 1 Radio/Dubbing (150 m²)
- 1 Radio (for talks (100 m²)
- 1 Radio booth (75 m²)
- 1 TV booth (75 m²)
- 1 Soundrecording (250 m²)

5.3.1.3	PRODUCTION ROOMS	.....	1765 m ²
	2 TV production control	(25 m ²)	
	1 TV programme continuity	(50 m ²)	
	1 Radio production control	(50 m ²)	
	1 Radio programme continuity	(50 m ²)	
	1 Dubbing control	(45 m ²)	
	1 Tape recorder	(55 m ²)	
	1 Soundrecording control	(50 m ²)	
	1 Filmsound control	(50 m ²)	
	2 TV audio control	(25 m ²)	
	1 Master control	(150 m ²)	
	3 TV/Film lighting control	(40 m ²)	
	1 TV telecine	(150 m ²)	
	1 TV VTR	(100 m ²)	
	2 TV VTR Editing	(ea. 40 m ²)	
	3 Radio Editing	(ea. 15 m ²)	
	3 Film Editing	(ea. 40 m ²)	
	2 Film Editing	(ea. 25 m ²)	
	1 Film laboratorium	(400 m ²)	
	1 Animation room	(100 m ²)	
5.3.1.4	MAINTENANCE ROOMS/LABORATORIES	.....	900 m ²
	1 Lab Radio Frequency	(50 m ²)	
	1 Lab Audio	(50 m ²)	
	1 Lab Video	(50 m ²)	
	1 Lab Electronic	(50 m ²)	
	1 Lab Film equipment	(50 m ²)	
	4 Lab for field-equipment	(ea. 50 m ²)	
	1 Lab for field-equipment	(100 m ²)	
	1 Workshop electronic	(50 m ²)	
	1 Workshop properties	(200 m ²)	
	1 Graphic department	(100 m ²)	
5.3.1.5	OFFICE ROOMS	.....	5000 m ²
	2 Language laboratories	(ea. 100 m ²)	
	1 Auditorium	(400 m ²)	
	3 Classrooms*	(ea. 60 m ²)	
	3 Classrooms*	(ea. 40 m ²)	
	4 Classrooms*	(ea. 30 m ²)	
	(* measurement based on 3 m /student)		

	3 Conference rooms	(ea. 75 m ²)	
	Office space for approx. 300 personnel, garages, Libraries, archives		(3755 m ²)
5.3.1.6	CORRIDORS/LAVATORY	.....	(650 m ²)
5.3.1.7	HOUSING	.....	(3840 m ²)
	1 Head of MMTC		(120 m ²)
	48 Instructors/guests		(ea.70 m ²)
5.3.1.8	DORMITORY	.....	(14.560 m ²)
	(approx. 500 persons)		
5.3.1.9	RECREATION FACILITIES	.....	(1400 m ²)
	Volley, soccer, Tennis, etc.		
5.3.1.10	TRANSPORTATION FACILITIES		
	5 Buses		
	10 VW Station Wagons		
	15 first wheel vehicles		
	5 two wheel vehicles		

5.3.2 Based on the training and production rooms it is roughly estimated to require the following equipment:

5.3.2.1 TELEVISION

STUDIOEQUIPMENT

450 m ²	:	4 color cameras
		1 audio mixer
		2 turntabel
		2 taperecorder
		1 visionmixer
		(incl. trick facilities)
		1 lighting desk
		1 reverberation unit
		wireless microphones
200 m ²	:	3 colorcameras
		1 audiomixer

2 timetable
 2 taperecorder
 1 visionmix (incl. trick)
 1 lighting desk

 Programme : 1 color camera
 Continuity : 1 audio mixer
 2 timetable
 2 taperecorder
 1 visionmixer
 (incl. trick)
 1 lighting desk

 VTR : 6 - 1" professional video taperecorder
 2 - 1" portable ENG units

 VTR Editing : 2 units, each equiped with vision-mixer, audiomixer
 TELECINE : 4 - 16 mm film scanner
 2 - 35 mm film scanner
 2 - 8 mm film scanner
 2 - slide scanner
 2 - caption scanner

5.3.2.2 RADIO

STUDIO EQUIPMENT

Radio/Dubbing : 1 Audiomixer
 3 turntable
 2 cassette player
 4 tape recorder (1")
 (1 equiped with pilot synchronization)
 1 cordmachine 16 mm
 1 cordmachine 35 mm
 1 film synchronization unit
 1 film projector 16 mm
 1 film projector 35 mm
 1 reverberation unit

 Radio continuity : 1 audiomixer
 2 turntable
 2 taperecorder

 Radio (for talks): 1 Audiomixer
 2 turntable
 2 tape recorder

Soundrecording : 1 audiomixer
 1 - 24 channel taperecorder
 2 taperecorders
 1 echo unit
 1 reverberation unit
 Sound editing : 3 x 1 quiomixer
 1 turntable
 3 taperecorders
 1 cassette recorder

5.3.2.3 FILM

Studio : 1 lighting desk
 1 audiomixer
 2 synchronized taperecorder
 Camera : 2 - 35 mm
 6 - 16 mm
 2 - 8 mm
 4 stillpicture camera 35 mm
 2 stillpicture camera 6 x 6
 Sound : 8 sound film recorder
 Lighting : 10 unit
 Laboratorium : 1 reversal processing machine 35 mm
 2 reversal processing machine 16 mm
 1 reversal processing machine 8 mm
 1 foto processing machine
 1 additive printing machine 35 mm
 1 additive printing machine 16 mm
 2 foto enlarger
 1 lightgrading table 35 mm
 1 lightgrading table 16 mm
 1 sensitometer
 2 densitometer
 1 unit chemical analyser
 2 unit chemical mixer
 Editing : 1 table 6 plate 35 mm
 4 table 6 plate 16 mm
 2 viewer 16 mm
 1 table 6 plate 8 mm
 Animation : 2 units animationstand

5.3.2.4 MAINTENANCE/LAB EQUIPMENT

LAB. RADIO FREQUENCY

- RF VOLT METER
- AF/RF GENERATOR
- SPECTRUM ANALYSER
- 100 MHZ OSCILLOSCOPES
- 10 KHZ - 1 GHZ FREQ COUNTER
- RF SWEEP GENERATOR
- DUMMY LOAD
- VHF - UHF TEST RECEIVER
- FIELD STRENGTH METER
- PRECISION AM METER
- TV DEMODULATOR
- AM/FM DEMODULATOR
- TV TRANSMITTER EDUCATION UNIT
- M.W. EDUCATIONAL TEST BENCH
- EDUCATIONAL ANTENNE TEST BENCH
- AM/SSB/FSK/CW TRANSCEIVER
- SIDEBAND ANALYSER
- STEREO SIGNAL GEN.
- DC. GENERATOR (POWER SUPPLY)

LAB AUDIO

- AF GENERATOR
- AC AUSTIC AND VIBRATION MEASUREMENT
- SOUND LEVEL MEASUREMENT
- DISTORTION METER
- WOW & FLUTTER METER
- STEREO CODER
- STEREO DECODER
- AC/DC POWER SUPPLY

LAB VIDEO

- VECTOROSCOPE
- VIDEOTEST SIGNAL GEN.
- GROUP DELAY MEASUREMENT
- COLOUR BAR. GENERATOR
- VIT TEST GENERATOR
- VIDEO NOISE METER
- INSERTION SIGNAL GEN.
- VIT INSERTER
- VIDEO DISTORTION ANALYSER
- TV WAVEFORM MONITOR

- VIDEOSCOPE (SWEEP GEN.)
- FREQ COUNTER
- DC POWER SUPPLY
- LAB ELECTRONIC - FREQ COUNTER
- AF/RF GENERATOR
- VTVM
- AC/DC POWER SUPPLY
- DIGITAL TRAINING KIT
- COMPUTER TRAINING KIT
- 100 MHZ OSCILLOSCOPE
- CURVE TRACERS
- LOGIC ANALYZERS
- FREQ STANDARD
- INDUCTANCE METER
- CAPACITANCE METER

AS MENTIONED IN 5.2., IN THE LABORATORIES THE EQUIPMENT WHICH IS USED IN THE STATIONS/PRODUCTION UNITS SHOULD BE AVAILABLE:

- E.G. : LAB VTR
 LAB CAMERA/VIDEO
 LAB SOUND/AUDIO
 LAB TRANSMITTER
 LAB FILM

WORKSHOPS ELECTRONIC AND PROPERTIES WITH THE RESPECTIVE EQUIPMENT

- 5.3.3 1 OB van Unit Radio
 1 OB van Unit TV

5.4 PERSONNEL

Although a definite decision on the manpower development has not been taken yet and the following figures should be verified the approximately amount of personnel may be:

- Principa 1
- Instructors35
- Guest Lecturers20
- Administrators and Servants ...200

5.5 TRAINEES

The number of expected trainees depends on the overall manpower planning, the future system of revolving upgrading and the necessary recruitment of new personnel.

The estimated annually figures are elaborated in 1.6.3. (page 8). The approximately number of trainees under the responsibility of the Ministry of Information may be 7000 persons in Repelita III (till 1984). This figure has to be evaluated by a Study Team regarding the entire manpower development.

6. FINANCING

The budget for the construction and the running costs of the MULTI-MEDIA TRAINING CENTRE will be covered by Local currency and Foreign currency.

- CONSTRUCTION COST

- a. Dormitory, Instructors housing, Land reclamation, Improvement of access road, Water and Power supply, Communication facilities (telephone), etc.

(financed by the Government of Republic of Indonesia)

- Phase I approx. Rp. 5.500. million
- Phase II
- Phase III

- b. Training Centre Building (financed by Grant Aid)

- Phase I
- Phase II
- Phase III

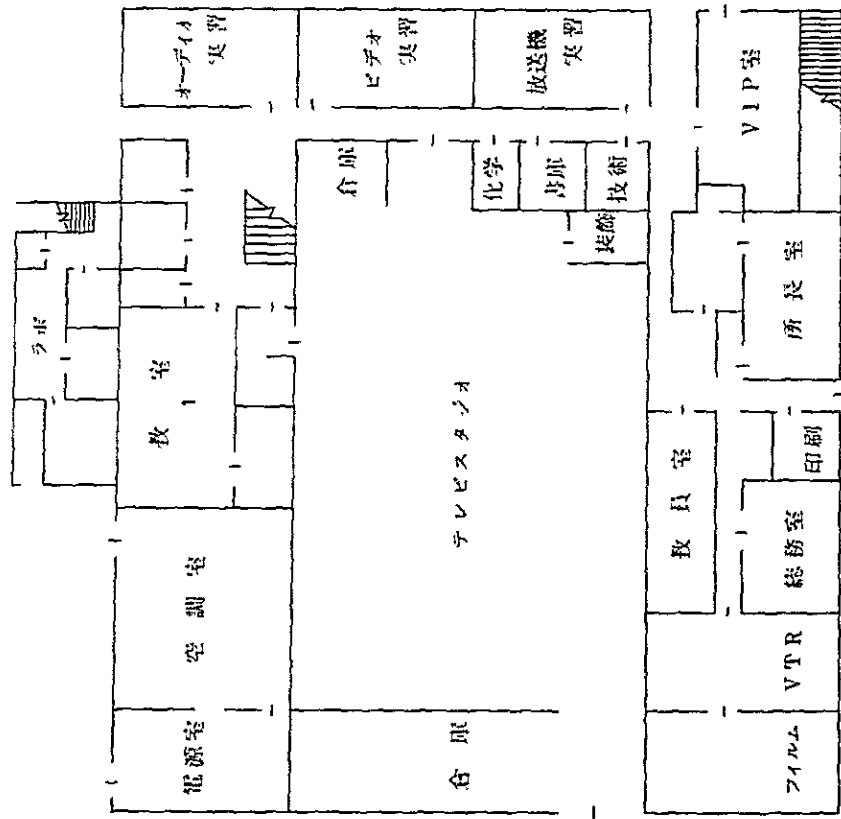
- EQUIPMENT COST (financed by Grant Aid)

- Phase I
- Phase II
- Phase III

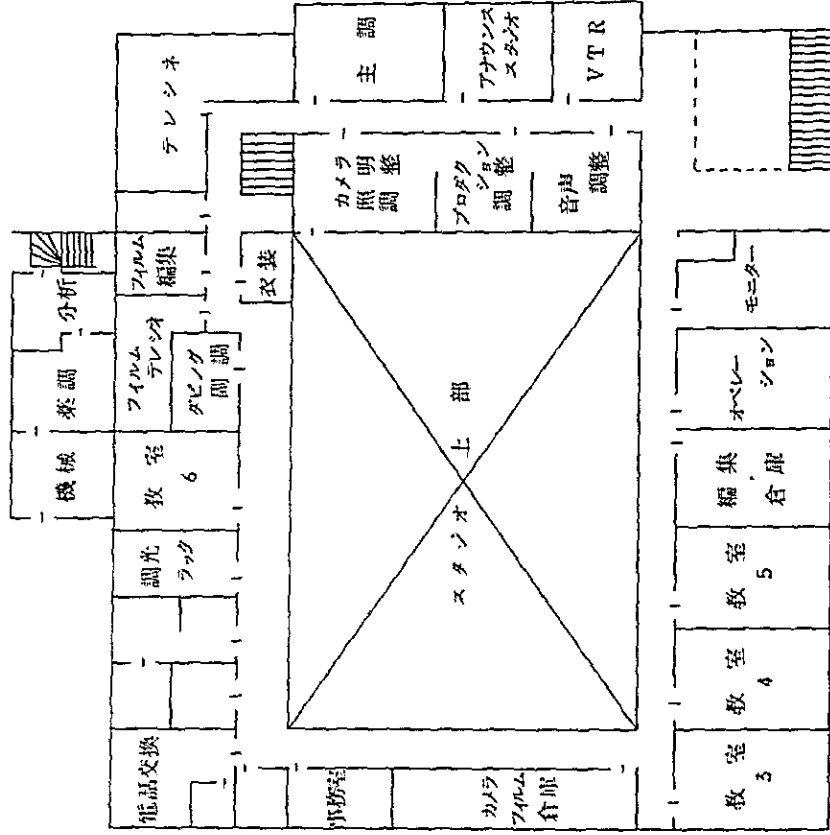
- OPERATION COST/year

- a. Rp. portion
- b. Foreign portion (Technical Aid)

既設TVRIトレーニングセンター(ジャカルタ)



1 階平面図

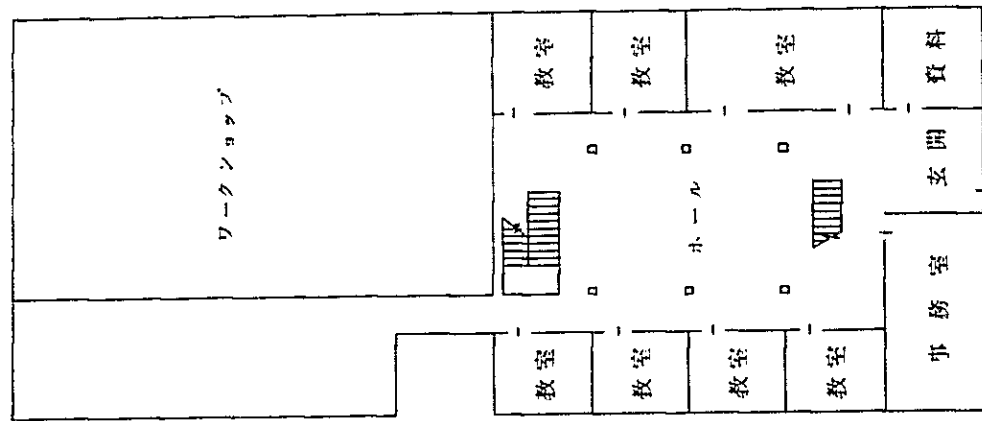


2 階平面図

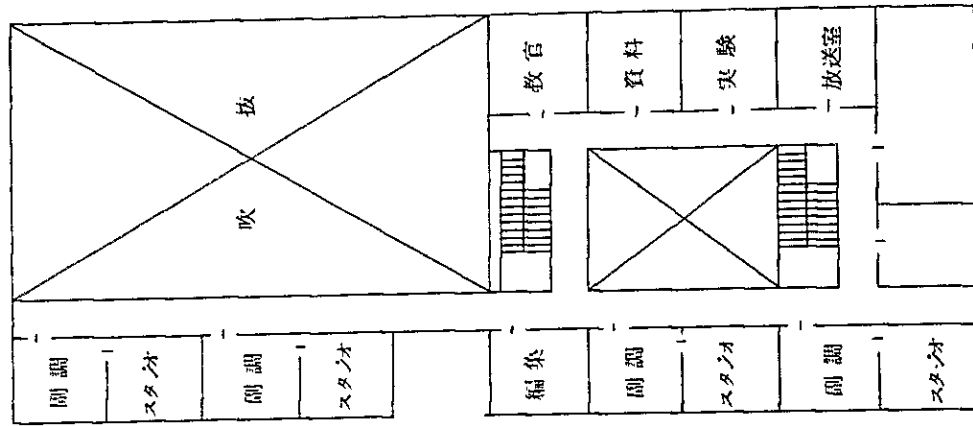
スケール 1M 5M 10M

既設 TV R I T / C 機器一覧

No	機 器	形 名	メ ー カ ー	数 量	使用開始年月
A-I	B/W EQUIPMENT				
1	3" I.O. B/W Camera			3	'70~'73
2	Telecine Chain			2	"
	1) 16 mm Film Projector			2	"
	2) 35 mm Film Projector			2	"
	3) Slide Scanner			1	"
	4) Opaque Scanner			1	"
	5) Epi Card Scanner			2	"
3	VTR	VR1100	AMPEX	1	"
4	Lighting Control Desk (120 circuit)			1	"
5	Audio Mixing Desk			2	"
6	Film Synchronization Equipment			1	"
7	Vision Mixing Desk			1	"
8	B/W Reversal Film Processing Machine			1	"
9	Editing Table			2	"
10	16 mm Film Camera Arriflex ST			2	"
11	16 mm Film Camera Arriflex BL			1	"
12	Film Sound Recorder		UHER	2	"
13	16 mm Film Projector		BAUER	1	"
14	35 mm Film Projector		BAUER	1	"
15	16 mm Printing Machine			1	"
16	B/W Flying Spot Slide Scanner			1	"
17	VTR	VR1200	AMPEX	1	"
18	TV Transmitter (5W)			1	"
A-II	COLOUR EQUIPMENT				
1	TV colour Camera KCK			3	'78
2	Vision Mixer			1	"
3	16 mm Film Scanner			1	"
4	Video Cassette Recorder	U Matic	SONY	1	"
5	16 mm Reversal Colour Processing Machine			1	"
6	16 mm Colour Film Printing Machine			1	"
A-III	ELECTRONIC WORKSHOP EQUIPMENT				
	AVO Meter, Test Generator, Scopes etc. considered enough for maintaining the equipment.				



1階平面図



2階平面図



既設 R R I T / C (ジャカルタ) 機器一覧

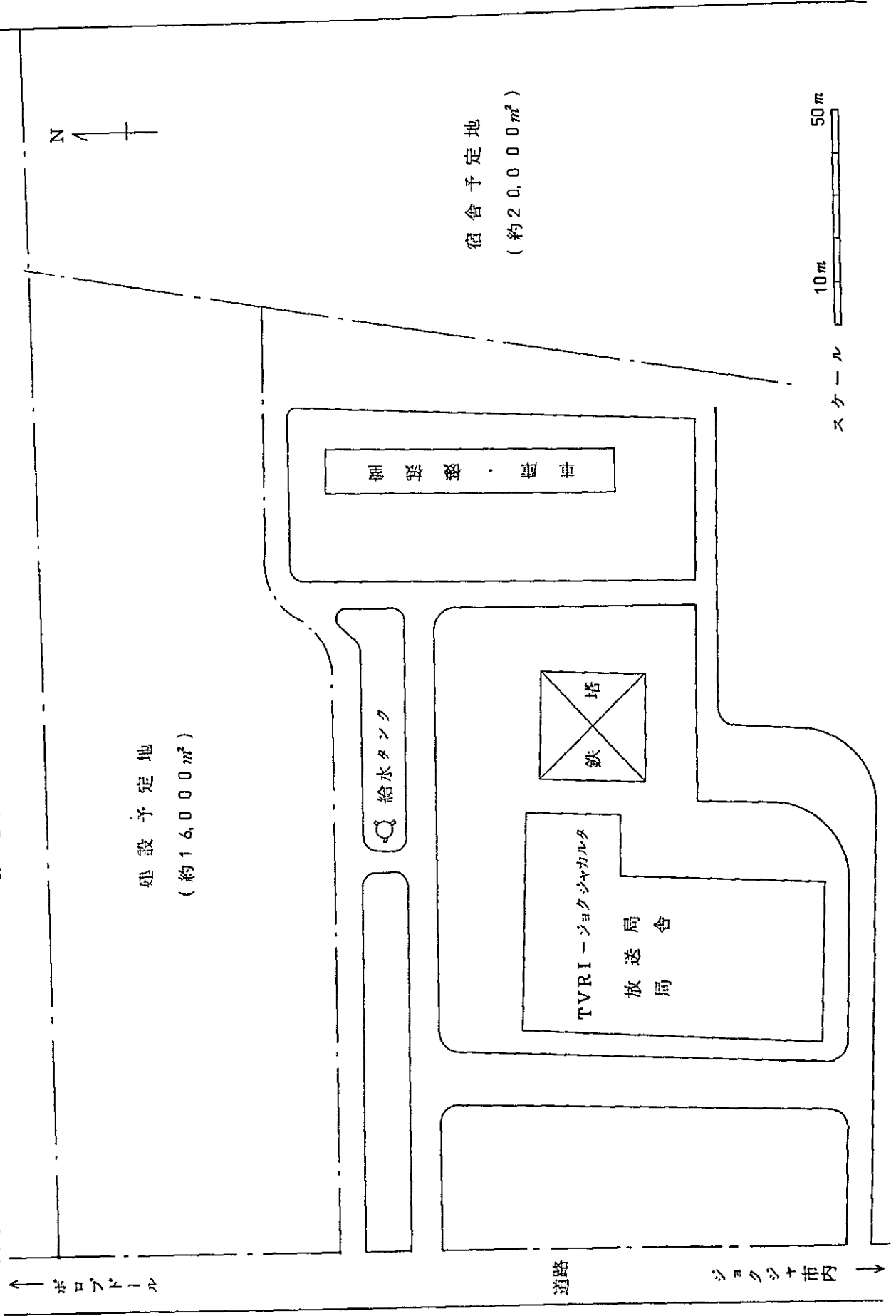
No	機 器	形 名	メ ー カ ー	数 量	使用開始年月
A-I	STUDIO-I				
1	Mixer 12/2	T30	TAB	1	
2	Magnetic Tape Machine	F212	SCHLUMBERGER	3	
3	Turntable	928	EMT	1	
4	Cassette Recorder	GXC730D	AKAI	1	
5	Hall Effect Machine	BX15	AKG	1	
6	Studio Monitor	P7302 SLV/K	HECO	2	
7	Signal Light	CF35mt	NEUMANN	6	
8	Microphone	MD421 U-4	SENNHEISER	3	
9	Microphone	MD211N	SENNHEISER	2	
10	Microphone Boom	MZT421	SENNHEISER	2	
11	Movable Microphone Stand	MZS210	SENNHEISER	3	
12	Headphone	HD414 X-13	SENNHEISER	2	
13	Intercom		DELTA	1	
A-II	STUDIO-II				
1	Mixer 8/2	UPS2082	SCHLUMBERGER	1	
2	Magnetic Tape Machine	F212	SCHLUMBERGER	2	
3	Turntable	928	EMT	1	
4	Cassette Recorder	TXC730D	AKAI	1	
5	Studio Monitor	P7320 SLV/K	HECO	2	
6	Signal Light	CF35mt	NEUMANN	4	
7	Microphone	MD421 U-4	SENNHEISER	3	
8	Microphone	MD211N	SENNHEISER	2	
9	Microphone Stand	MZT421	SENNHEISER	2	
10	Movable Stand	MZS210	SENNHEISER	2	
11	Headphone	HD414X-13	SENNHEISER	2	
12	Intercom		DELTA	1	
A-III	STUDIO-III				
1	Mixer 8/2	LDC15	PHILIPS	1	
2	Magnetic Tape Machine	B67	STUDER	2	
3	Turntable	928	EMT	1	
4	Cassette Recorder	GXC730D	AKAI	1	
5	Studio Monitor	P7302 SLV/K	HECO	2	
6	Signal Light	CF35mt	NEUMANN	4	
7	Microphone	MD421 U-4	SENNHEISER	3	
8	Microphone	MD211N	SENNHEISER	2	

既設 R R I T / C (ジャカルタ) 機器一覧

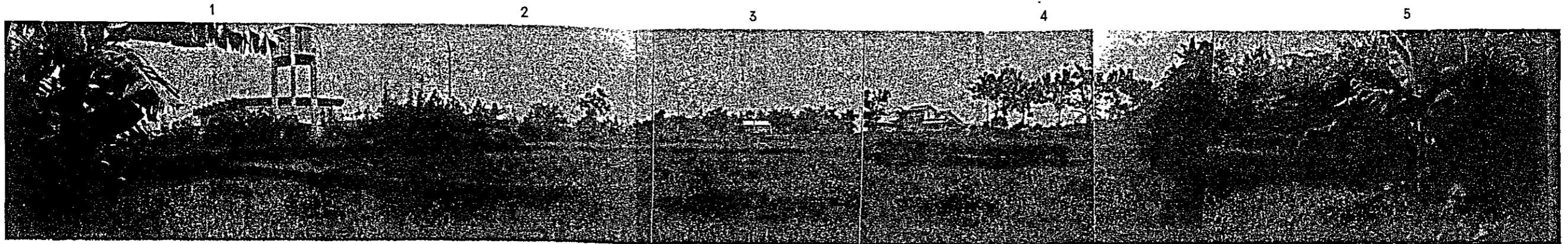
No	機 器	形 名	メーカ-	数 量	使用開始年月
9	Microphone Stand	MZT421	SENNHEISER	2	
10	Movable Stand	MZS210	SENNHEISER	2	
11	Headphone	HD414X-13	SENNHEISER	2	
12	Intercom		DELTA	1	
A-IV	STUDIO-IV				
1	Mixer 8/2	SAM82	AEG	1	
2	Magnetic Tape Machine	B67	STUDER	2	
3	Studio Monitor	P7302 SLV/K	HECO	3	
4	Microphone	MD421 U-4	SENNHEISER	2	
5	Microphone Stand	MZT105	SENNHEISER	2	
6	Headphone	HD414 X-13			
7	Intercom		DELTA	1	
A-V	EDITING ROOM-I				
1	Overplay Coupling		BFE-BAUER	1	
2	Studio Monitor	P7302 SLV/K	HECO	1	
3	Magnetic Tape Machine	B67	STUDER	1	
4	Intercom		DELTA	1	
A-VI	EDITING ROOM-II				
1	Master Control Rack		BFE-BAUER	1	
A-VII	TRANSMITTER				
1	MW Transmitter (1 kw)			1	
	SW Transmitter (300 W)			1	
A-VIII	MEASURING INSTRUMENT				
1	Audio Frequency Spectrometer	2112	Made in West Germany	1	
2	Beat Frequency Oscillator	1022	"	2	
3	Oscilloscope	PM3230	PHILIPS	2	
4	Microphone Amp	2601	Made in West Germany	2	
5	Frequency Respons Tracer	4709	"	1	
6	Noise Generator	1402	"	2	
7	HF Leistung Generator	2001a	"	2	
8	"	Faktor Type 236b	"	2	
9	Gute Factormeter	1023	"	1	
10	Value Texter	160	"	1	
11	Regulated Transformer (3KVA)		"	1	
12	Tube Voltmeter	RV55	"	1	

No.	機 器	形 名	メ ー カ ー	数 量	使用開始年月
13	Electronic Voltmeter	2409	Made in West Germany	1	
14	WIP 6		"	1	
15	HF Measuring Generator	2510	"	1	
16	4MG1		"	1	
17	Frequency Meter	1216	"	1	
18	L.C.R. 1008-NR	2260	"	1	
19	Band Pass Filter Set	1612	"	1	
20	Gain Set M	3625	"	1	
21	Electronic Voltmeter	2409	"	3	
22	Curve Space		"	1	
23	221-3 R.L.C.		"	1	
24	Reinhard B.N.	1567	"	1	
25	URV 2		"	1	
26	Bewer Tungsvilter F.D. 55		"	2	
27	Klirfactor K.B. 55		"	1	
28	L Preng 5		"	1	
29	Beat Frequency	1012	"	1	
30	Fa. M 100/1		"	1	
31	Level Recorder	2305	"	1	
32	Potentiometer	2347	"	1	
33	Microphone Power Suply	2801	"	1	
34	General Radio U.Q.	050 P1	"	1	
35	USE. L. Scale with Generator		"	1	

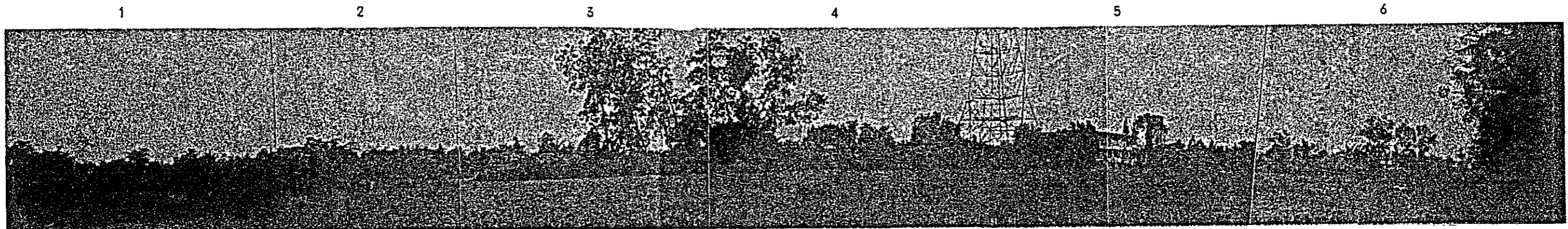
R・TV トレーニングセンター建設予定地敷地図



建設候補地の写真

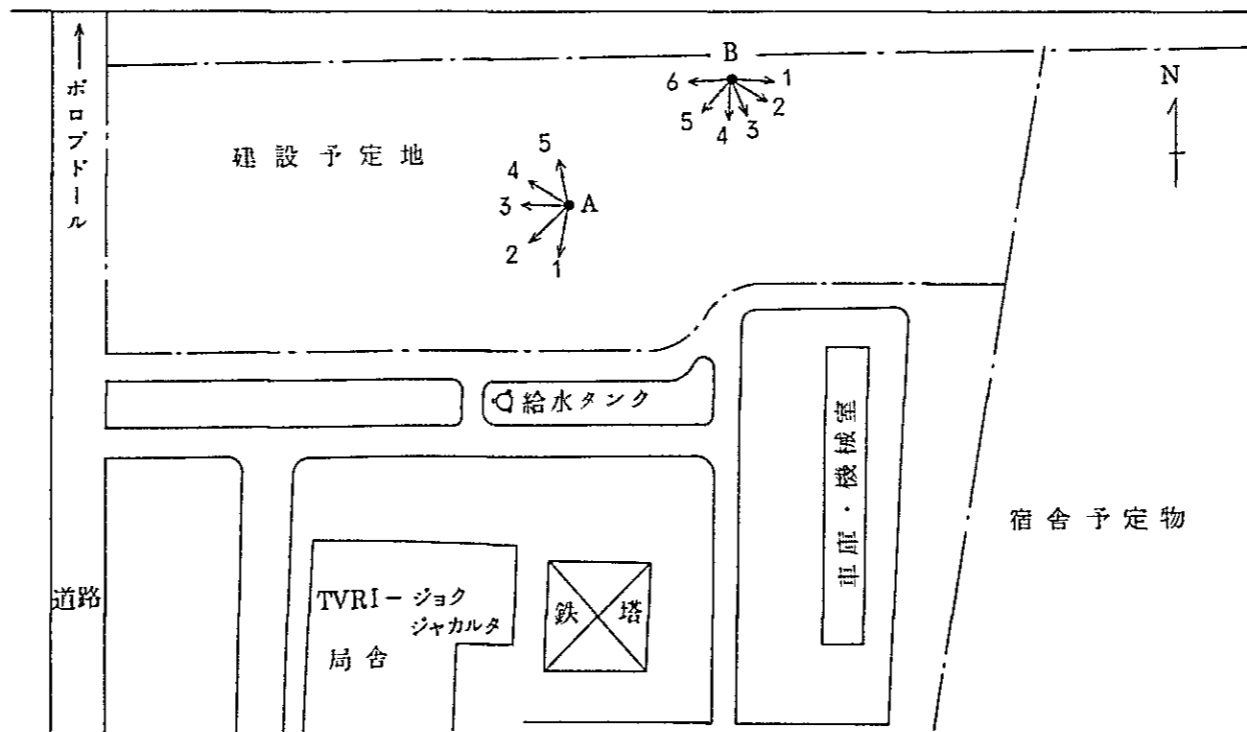


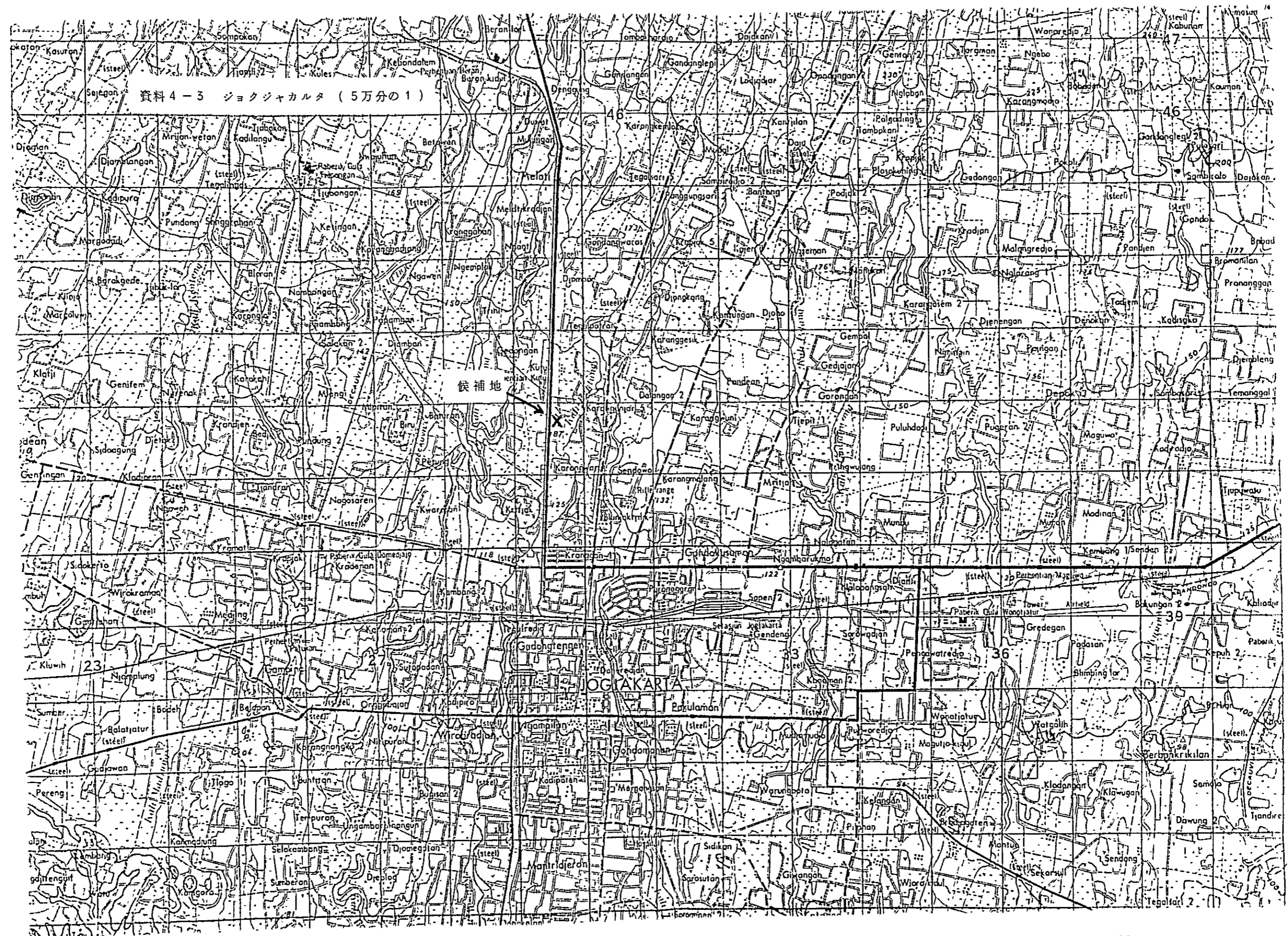
A地点より



B地点より

撮影地点案内



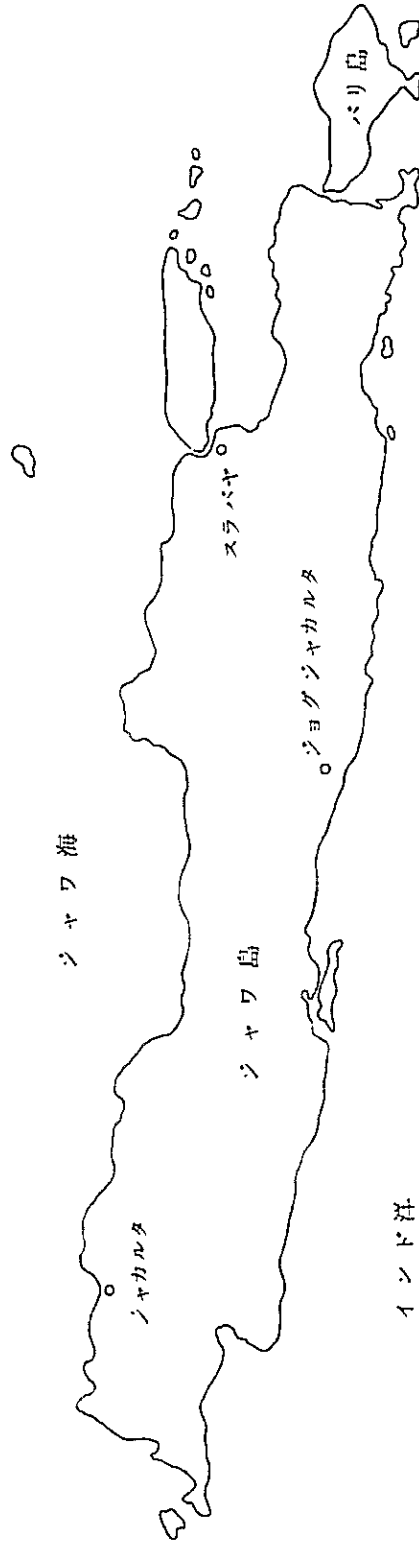
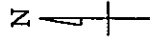


資料 4-3 ジョクジャカルタ (5万分の1)

候補地

JOGJAKARTA

ジャワ島



TVRI 放送局 (演奏所) 局別機器一覧

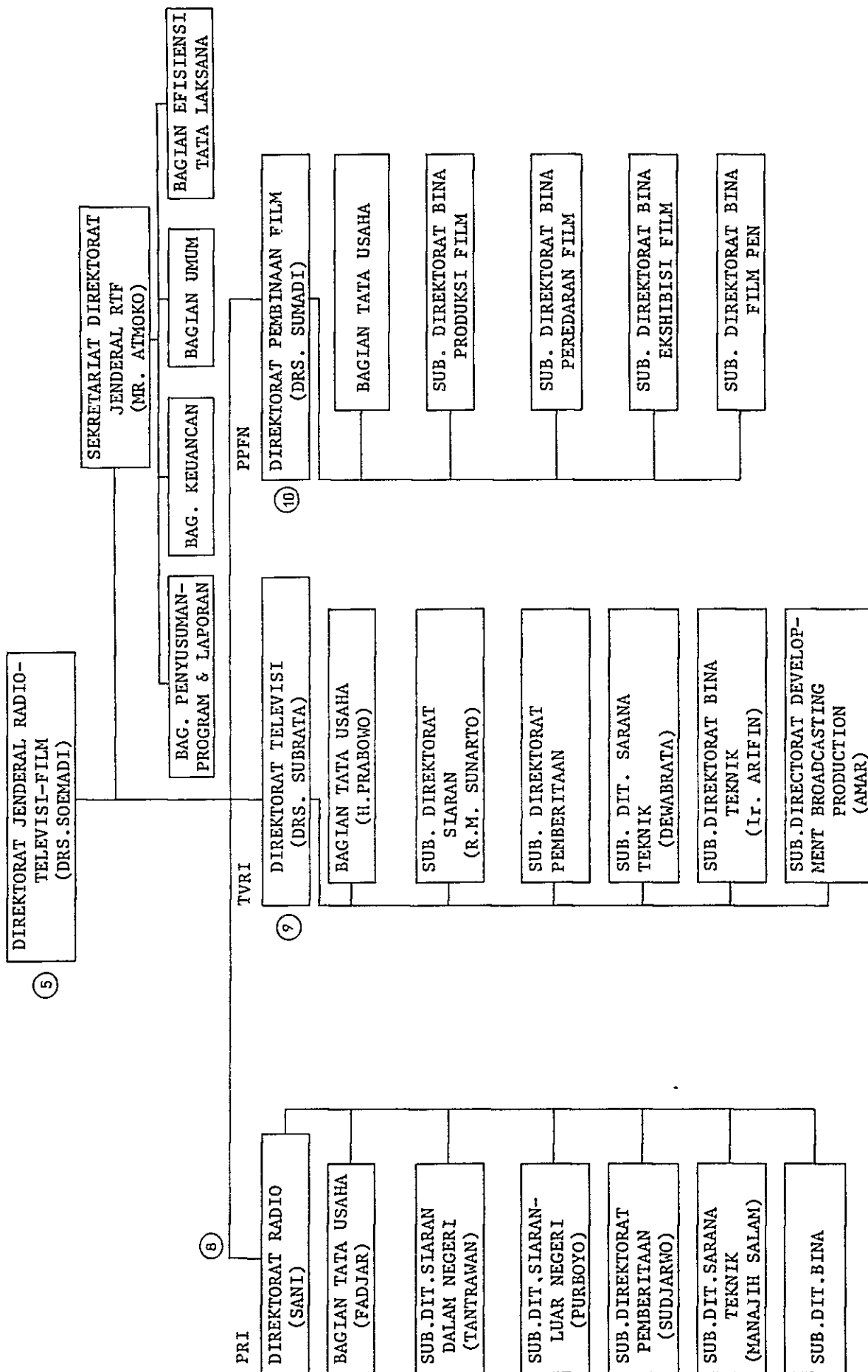
局	機 器	形 名	メ ー カ ー	ジカホルダ	ジョブ ジカホルダ	メダン	パレン パ ン	ウシヨ パンダン	バリク パレン	デンパ サー	スラバヤ	メナド	
1	スタジオ カメラ (ブラビコン B/W)	TTV1100	THOMSON CSF							4		4	
		CTCS20	NEC		4							7	
		LDM-0042	PYE・TVT						3				
		KPK92B	BOSCH				3	4		1			
	(ブラビコンカラー)	KVK9A/ KVC91-92A	BOSCH							2			
		KCP40A	BOSCH	3									
		KCK 40	BOSCH	9+3 TC									
		NC30	NEC	6									
		IKEGAMI										1	
2	ENG カメラ	LDK14	PYE・TVT		1			1		2		1	
		KCA90	BOSCH	5+1 TC		1					1		
		KCN		1									
		DXC-1610P	SONY	2									
3	照 明	SIM-9P40/3	RANK STRAND				1			1		1	
		RDS	RYUDENSHA	2	1			1			1		
			RYUDENSHA	1									
		LDS1002				1							
4	オーディオ・ミキシング・ ユニット	ME693/694	C.SCHLUMBERGER							2		2	
		OK4144	TOSHIBA	2							1		
		8CH・1M	NATIONAL					1					
		KS4737	TOSHIBA		1								
		M444・A2	SIEMENS						1				
		1220	ALTEC	1									
		M448	SIEMENS				1						
		MX170					1						
5	テープレコーダー	F212	C.SCHLUMBERGER							4		4	
		DN-571RET	DENON			1					1		
		DN-371RET	DENON	4	2							2	
		M-5C	TELEFUNKEN						1				

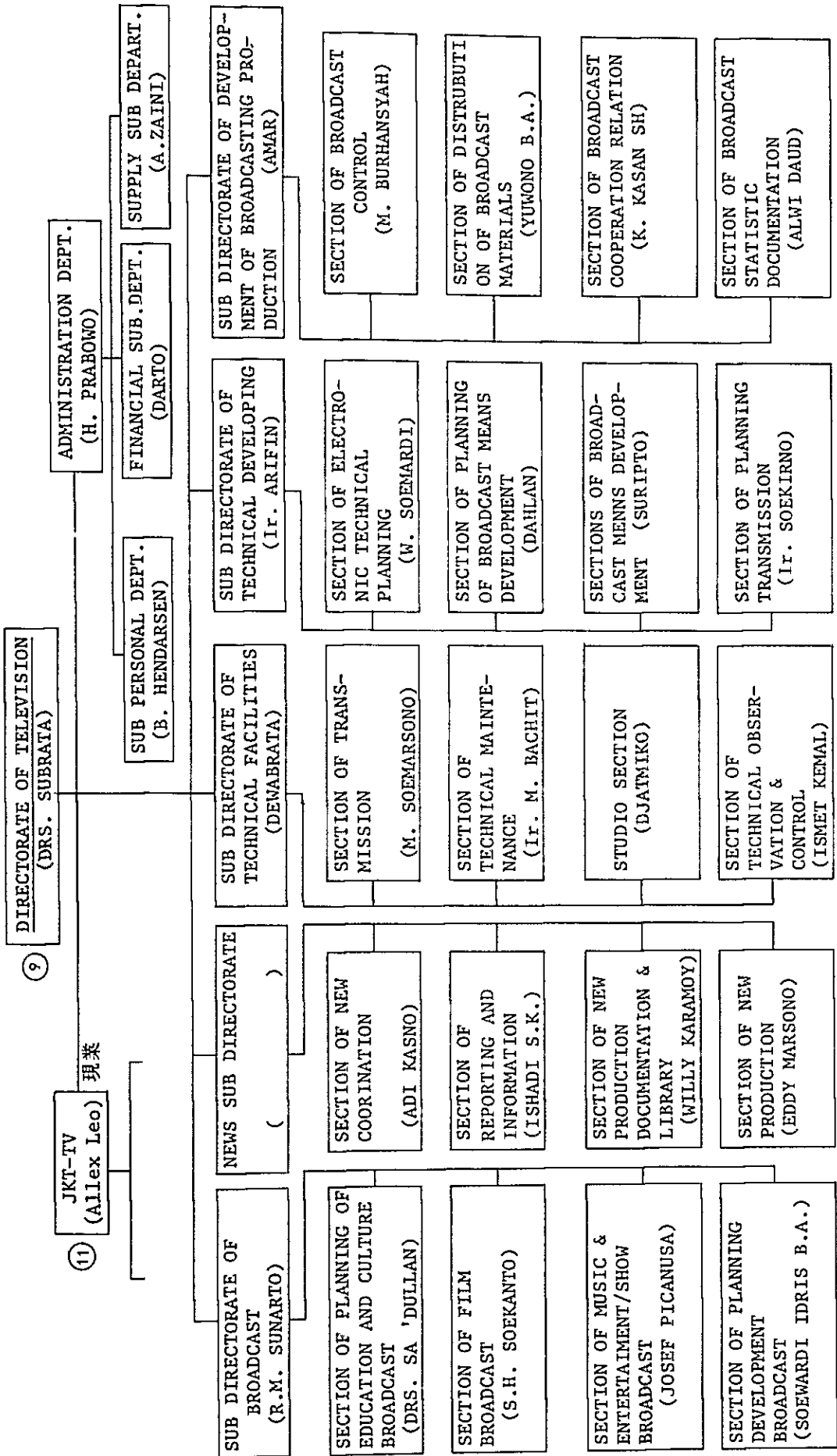
品	機 器	形 名	メ ー カ ー	ジカカ	シヨク メカカ	メダン	パレン バン	ウメ バン	バリク バン	デンバ サル	スラマ	メナド
	(カセットテープレコーダー)	TC70	SONY					1				
		DN-37RET	DENON		1							
		A700	REVOX	2								
		ACR-25	AMPEX	2								
6	ターンテーブル	TD212	C.SCHLUMBERGER							4		4
		DN-307F-ET	DENON	4	2						3	
		FR-953	NATIONAL					2				
		EMT930ST	EMT				1		1			
		TOISONK11	THORENS						1			
		TD160				1						
7	ビデオ・ミキシング ユニット	TTV5520NP	THOMSON CSF							2		2
		TAMK-15D	NEC								2	
		LDM	PYE-TV					1				
			TOSHIBA		1							
		RBH15321 V43	BOSCH						1			
		RC EK	BOSCH	4								
		H-1880	NEC	2								
		CSK40-184	BOSCH				1					
		GE170	SHIBADEN			1						
8	VTR (収録・再生)	AVR2	AMPEX	4	2	2	1	2		2		2
		SV7800	HITACHI	2	1						2	
		SV7400	HITACHI								1	
		VR1200	AMPEX			2		1	2			
		BCN20	BOSCH	2	2	1		1		1	1	
		BCN50	BOSCH	4								1
		VR1100	AMPEX		1		2					
	(ポータブル・収録)	BCN20	BOSCH	4+1 TC	1	1		1		1	1	1
		CVM201L	SONY						1			
	(カセット)	VO2850P UMATIC	SONY	3								
		SL8000E BETAMAX	SONY	1								

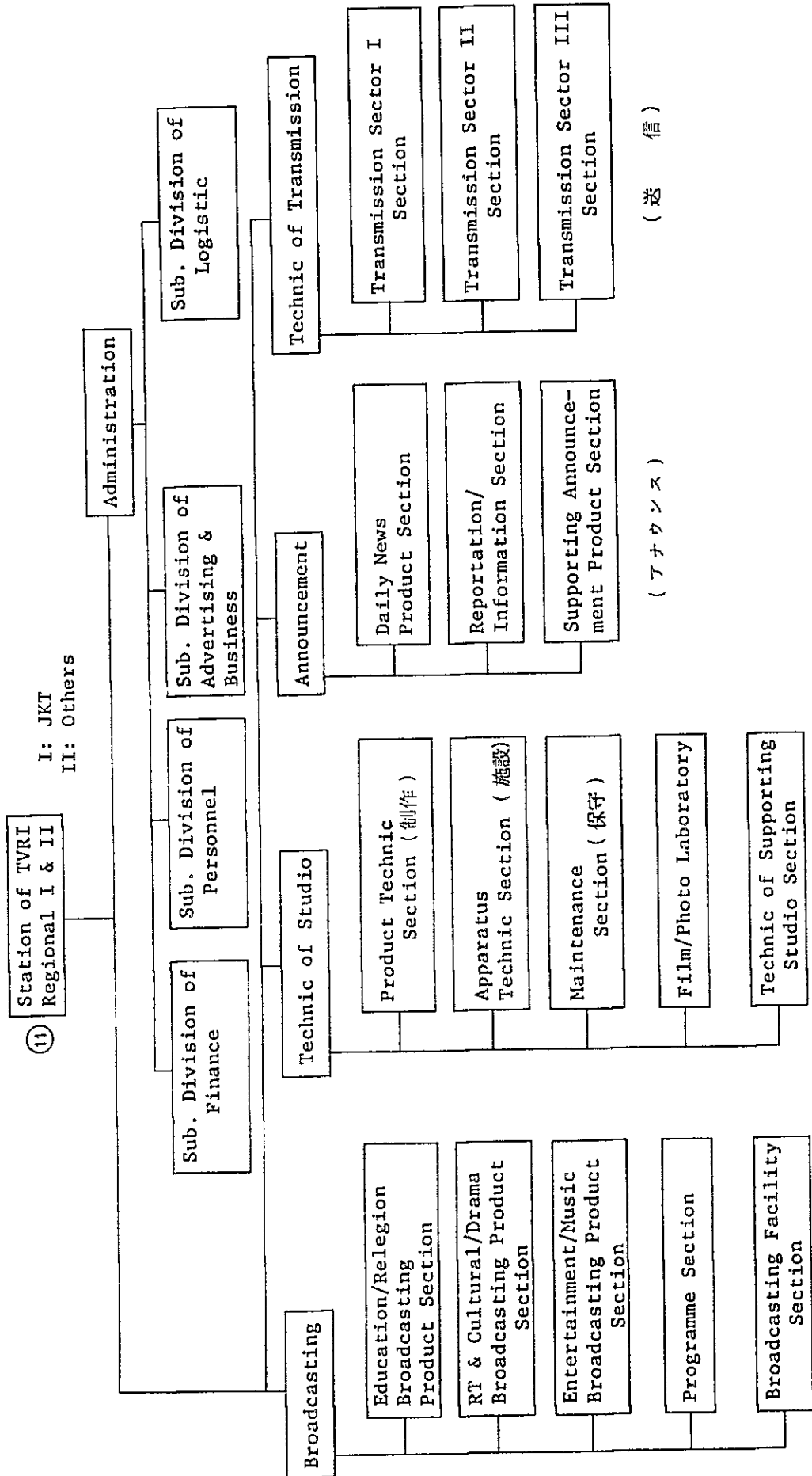
系	機 器	形 名	メ ー カ ー	シヤカレタ	シヨグ シヤカレタ	メダン	パレン バ ン	ウジュン ハンタン	バリク ハンシン	デンバ サール	スラムヤ	メナド	
9	(16mm フィルム) プロジェクター	TTV213	THOMSON CSF							2		2	
			BELL & HOWELL									1	
			BOSCH							1			
		TM・2	HOKUSHIN					2					
		TC133 25	HOKUSHIN		1	2							
		LDW・0059	PYE・TVT		1		2			2			
		TC510 25	HOKUSHIN		2		1					4	
		FP9・003	BOSCH				2						
		SC・105 (colour)	IKEGAMI				1						
		FC16・WM9	BOSCH		4								
	(35mm フィルム) プロジェクター	FC162LP40C	BOSCH		2								
		F35WM B	BOSCH		4								
		DPT・10	P・SEIKI		1								
		TP・351D	HOKUSHIN				1						
		(ビデオンカメラ)	CTF・12D	NEC								1	
		VC・3010	TELI						2				
	(プランピコン カメラ)	LDW 0080	PYE・TVT					1					
		VC15・2	SHIBADEN				2						
		KVV・40S	BOSCH					1					
		KVK9FC (colour)	BOSCH				1						
		T120E	HITACHI						2				
		KC9K9F	BOSCH		4								
		TCFC・201	NEC		1		1						
(キャブジョン アダー)		MC U41B	BOSCH		2								
(8mm フィルム) プロジェクター (スライドプロジェクター)	FC8FP9-003	BOSCH		4									
	TTV2136	THOMSON CSF								2		2	
	DPT10	RIKIGAKU				1					2		
	DPT14	RIKIGAKU				1		1					
	S・32C	SPINDLER						1	1				
	LDM・005S/01	PYE・TVT			1				1				

名	機 器	形 名	メ ー カ ー	シカクタ	ジョブ シカクタ	メダン	パレン ミン	ウジュン パンタン	パルク パレン	デンバ サール	スラバヤ	メナド
	(キャブジョンスキヤナー)	S・AV2000 030・DP 9B TTV1014 TELECAP 60 TGK-9 TC-ICS	KODAK BOSCH THOMSON CSF EDS IKEGAMI	4			1			2		2
	(FSS)				1		1	1	1		1	
10	中 継 車 (モノクロ中継車)	CTCS・20 KCK・40P CTCS・20H・1007 LDK 14 KCK・R DXC・1600R DXC・1200D	NEC BOSCH NEC PYE・TVT BOSCH SONY SONY	2 2 1 1 1 1	1							
	(カラー中継車)					1						
11	ンネ カメラ	CP R3A	CINEMA・PRODUCT ABRI BOLEX BELL & HOWEL	12 10 10 25		1 1 4	2 1 1 4	1 1 3 7		1 1 3	1 1 3	1 1 3
12	テープレコーダー (ポータブル)	42L&1STL		11		1	1	1	1	1	1	
13	編 集 卓 (6プレート) (4プレート)	ST900W & 1901 ST600W & 1601		6 3		1 1	1 1	1 1	1 1	1 1	1 1	
14	現 像 機 (PROFESSIONAL) (UN PROFESSIONAL) (PUSLAT)	ME4 白黒リバーサル カラーネガ カラーポジ ネガティブ 白黒リバーサル カラーリバーサル 白黒リバーサル カラーリバーサル	VNF	2 2 1 1 1 1 1 1		1 1 1 1		1 1			1 1	

順	機 器	形 名	メ ー カ ー	シカクタ	シグシカクタ	メダン	バレン パン	ウツユン パン	バリク パン	デンバ サール	スラパン	メナド	
	(MANUAL PROCESSING)									1	1	1	1
15	キャブノン ジェネレーター			2									
16	キャラクター ジェネレーター			2									
17	オーディオ・ダビング (ポータブル・ミキサー)	MX・20	SONY NEVE	1 7	1	1							





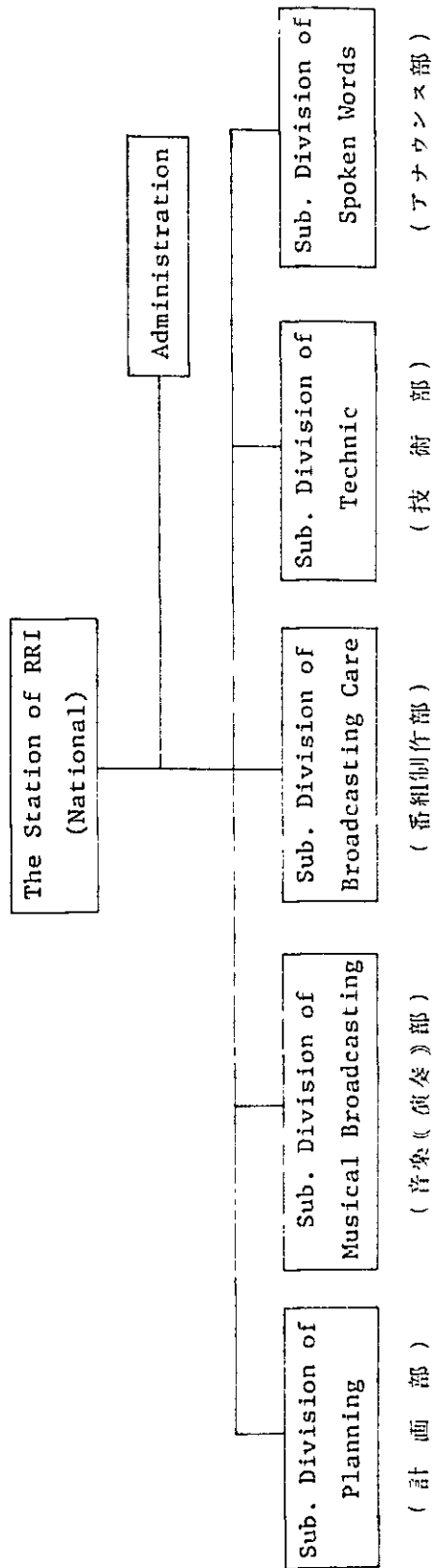


(送信)

(アナウンス)

(スタジオ技術)

(PD)



Ministry of Information (Jakarta)

Syamsoe Soggito	Director General, Research Development
Sumadi	Director General, Radio, TV, Film
F. Rachmadi	Director, Information Media Research
Sumartono T.	Director, Information
G. Dwipayana	Director, Film
Atomoko	Secretary to Director General, Radio, TV, Film
M. Gultom	Director of Education & Training Center
R. Jdhardin	Asst. to Director General, Radio, TV, Film
Gamari Sutrisno	Head of Technical Division for Operation & Method Research
Shamsu Alamskah	Bureau of Planning, Foreign Technical Cooperation Division
Iman Triyanco	Head of Personnel Bureau
Sumarno	Personnel Department
Sudji Rahayu	Staff of Education, States Film Production Center

Education and Training Center:

M. Gultom	Director
A. R. Kadir	Head of Division of Programming
H. Sutrisno	Head of Division of Administration
G. M. Manurung	Head of Sub-Director of Program Evaluation, Department of Information
Soedjono	Head of Training Center, Department of Information
R. M. Simatupang	Staff

National Planning Agency (Jakarta)

Mrs. Astrid S. Susanin	Director, Bureau of Information, Culture and Science, National Planning Board
------------------------	---

TVRI (Jakarta)

Subrata	Director
Alex Leo Zulkarnaen	TVRI Jakarta Station Manager

M. Arifin	Deputy Director for Construction Development
Dewabrata	Deputy Director for Technical Operation & Technical Facilities
R. M. Sunarto	Deputy Director for Programme Planning
Amar	Deputy Director for Programme Production
Hadi Prabowo	Deputy Director for Administration & Finance
S. Sombiring	Head, TVRI Training Center
Sunaryo	TVRI Instructor
M. Kosasm	TVRI Instructor
Bakri	TVRI Instructor
 RRI Training Center (Jakarta)	
H. T. Suwardi Hassan	Head
Tantarewan	Asst. Head for Programme
Agoes Syamsuddin	Programme Planner
M. Sofyan Purwokusumo	
Anwar Siregar	
 Ministry of Information (Yogyakarta)	
Jardjono	Chief of Administration, Information Department for Local Administration Kanwil Deppen Div.
Husni Rusdi	Deppens
Rhsima Tupang	Deppens
Sardjono	Deppens
Shamsir Alamsyals	Bureau of Planning, Department of Information
 TVRI (Yogyakarta)	
Daryoto	Station Manager, TVRI Station
Widayat Jokosantoso	Chief of Technical Department
Sarojono	
 RRI (Yogyakarta)	
Siswadi	Station Manager
Sugeng Rijanto	
Samijono	

Ministry of Education (Jakarta)

Drs. Suharto

Staff, Office of Education

Drs. S. Sigit Poernomo

Head of Division of Vocational School

University of Indonesia (Jakarta)

Drs. R. Djajusman, M. A.

Drs. Harsono Suwardi

Head of Department of Mass Communication

Drs. R. Djajusman, M. A.

Department of Mass Communication,
Faculty of Social Sciences,

Trisakti University (Jakarta)

P. Haryasudirja

Dean, Faculty of Engineering,

Tjandra Snjila

Department of Electric Engineering

Mrs. J. Setianti Juljadi

Secretary, Academic Affairs, Faculty
of Engineering

STM Pembangunan Secondary Technical School (Jakarta)

Suhyad D.

Vice Director

Jazidnur Yumm

Chief, Electric Communication Department

STM 1 Secondary Technical School (Jakarta)

Endan Sudana

Director

Kasito, B. E.

Head of Department of Electronics

P. M. Aritonag, B. A.

Head of Department of Engine

Sutarjo, B. A.

English Teacher

STM Prambanan Secondary Technical School (Yogyakarta)

Sarbidu

Director

Soedinono

Gaja Mada University (Yogyakarta)

Subaroto

Dean, Faculty of Social and Political
Sciences

H. Nanghik

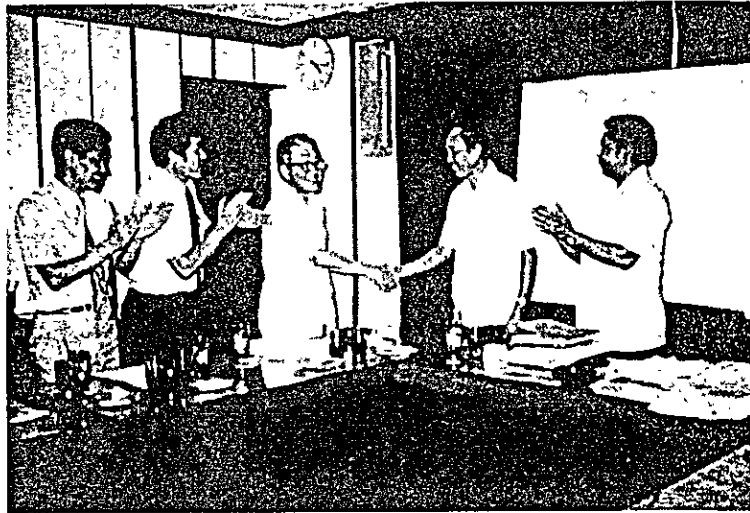
Head, Department of Communication



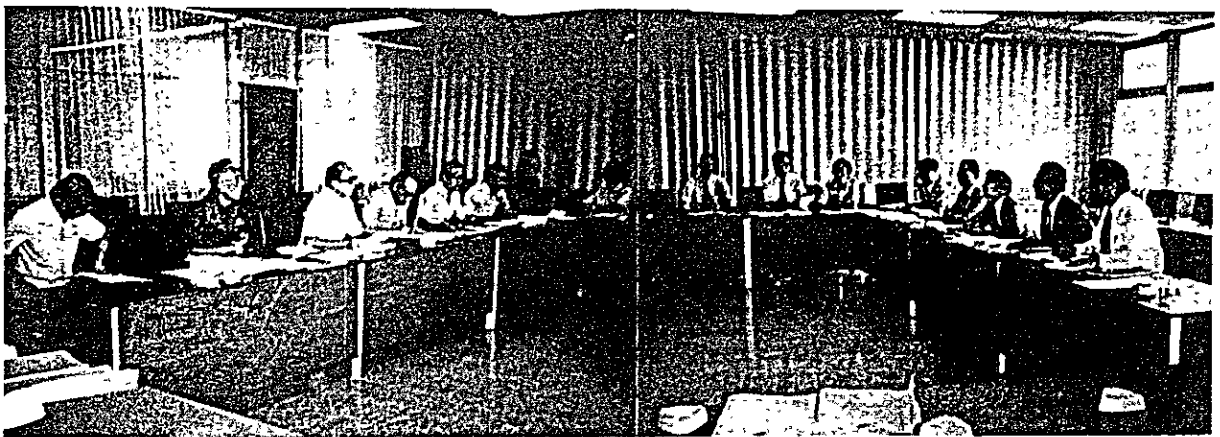
情報省表敬 中央はジャムソ・スギト氏



情 報 省



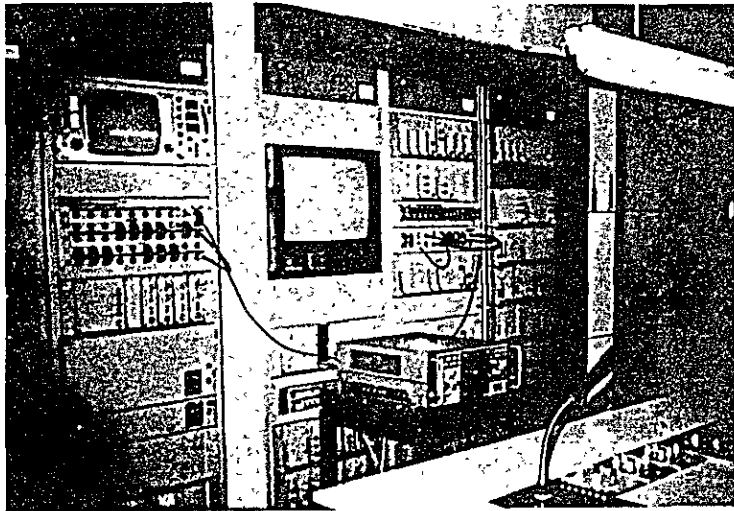
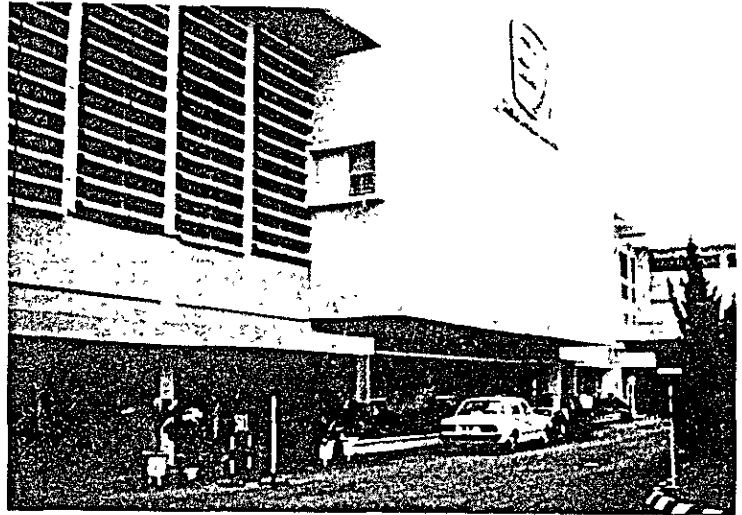
ミニッツのサイン終了



ステアリングコミティーメンバーとの協議

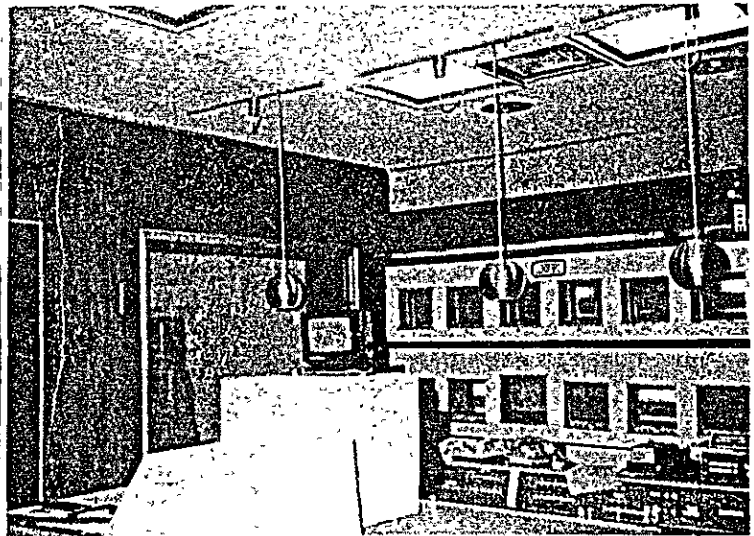
TVRI トレーニング・センター

外 観



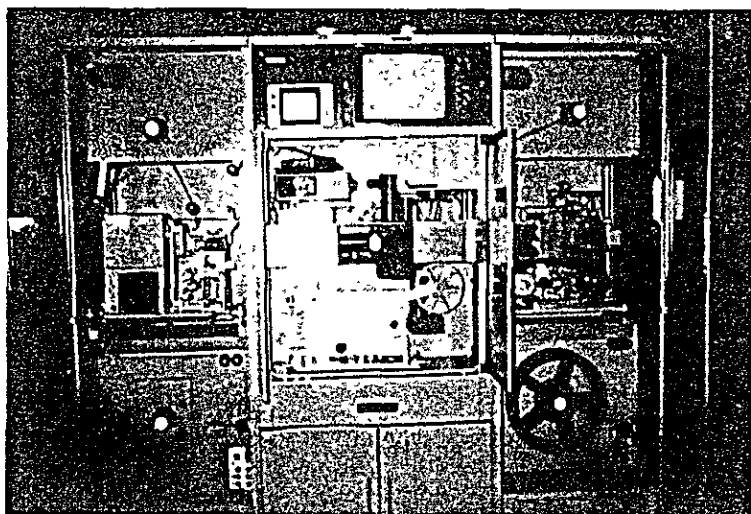
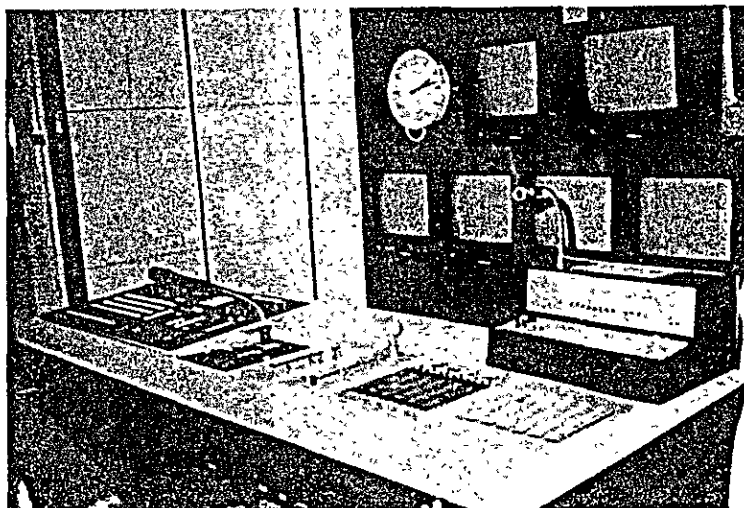
T V 主 調

T V スタジオ 副 調



T V R I ジャカルタ放送局

T V スタジオ副調



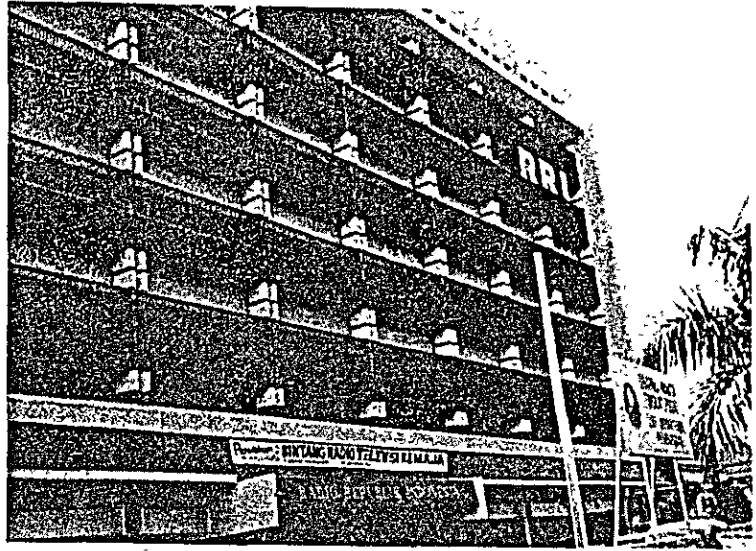
テレソオ

V T R



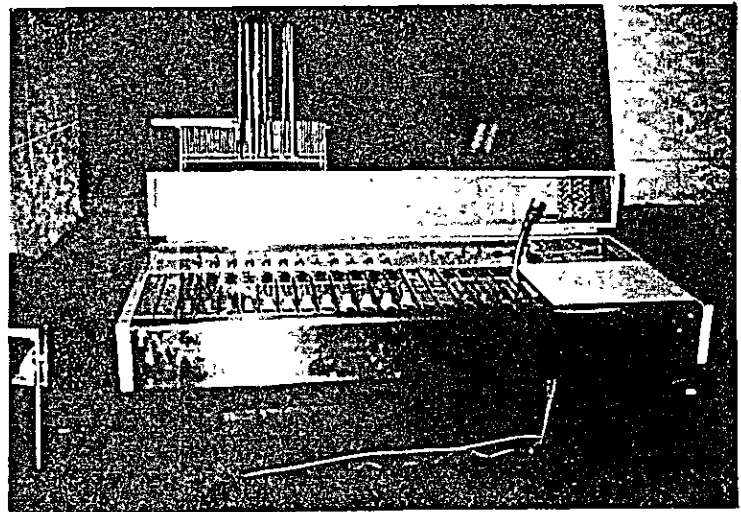
R R I ジャカルタ放送局

外 観



公開番組リハーサル風景
(ラジオ・ホールを利用して
テレビ番組を制作)

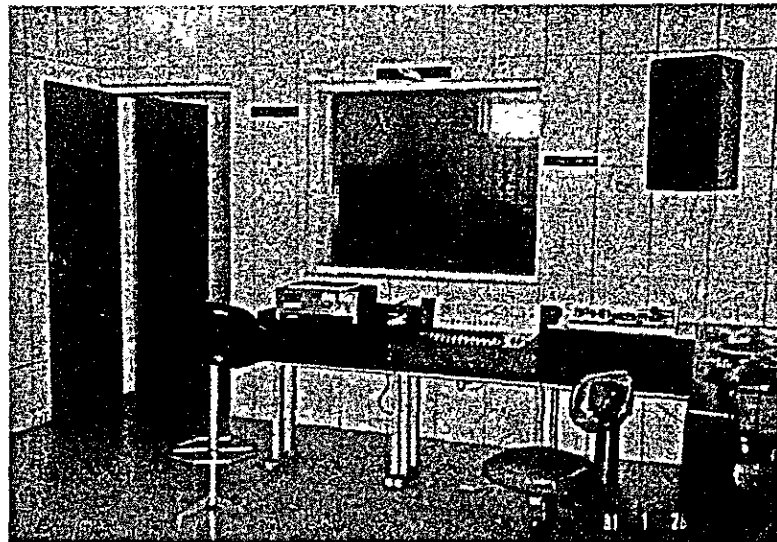
Rスタジオ副調



RRI トレーニングセンター

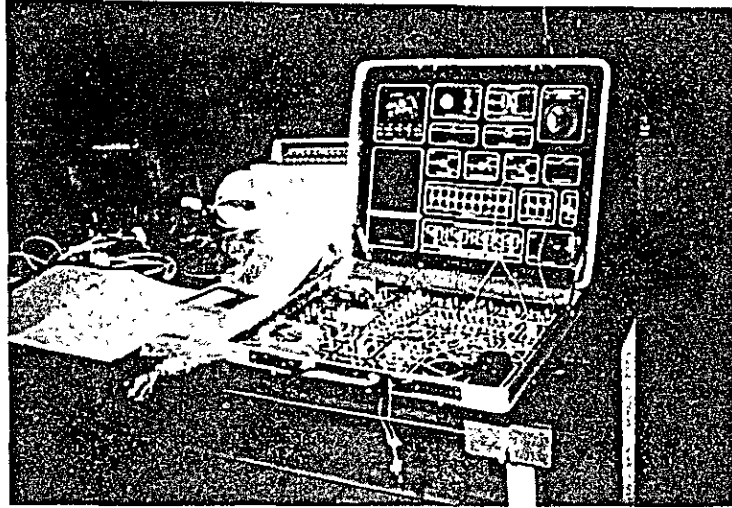


外 観

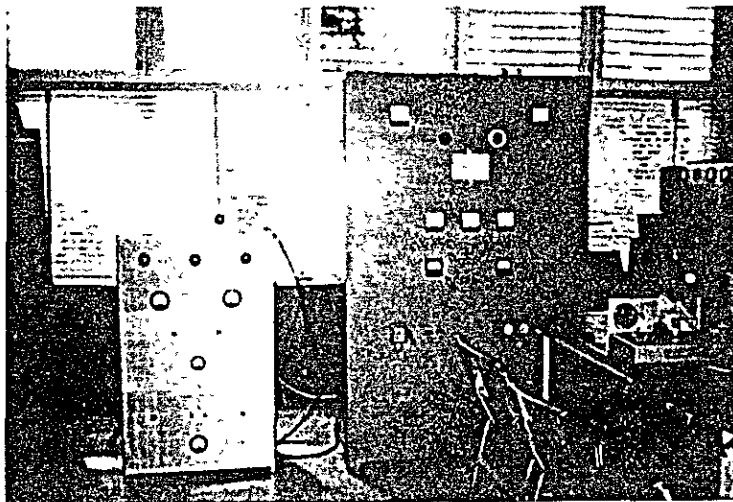


Rスタジオ副調

RRI トレーニングセンター

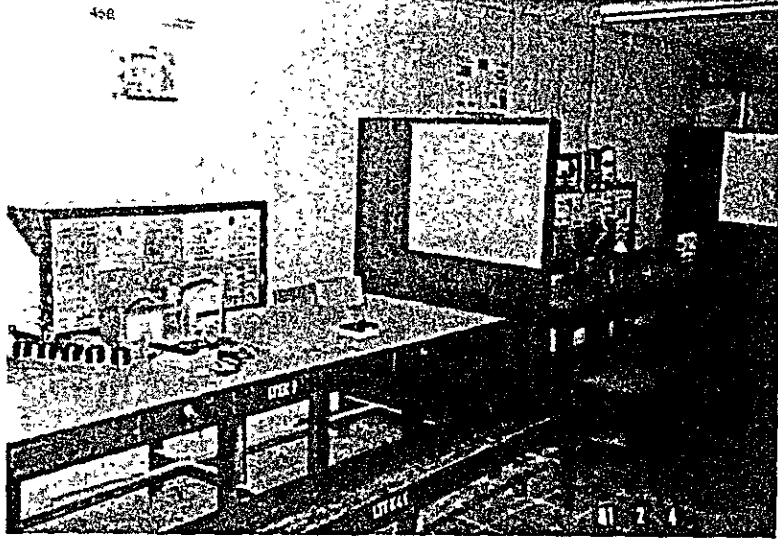


トレーニングキット

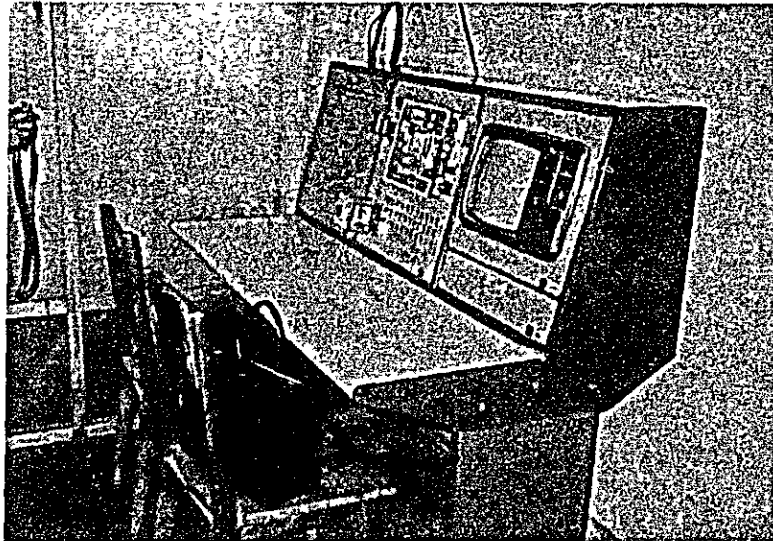


送信機 (左: 短波 300W 右: 中波 1KW)

工業高校（ジャカルタ）

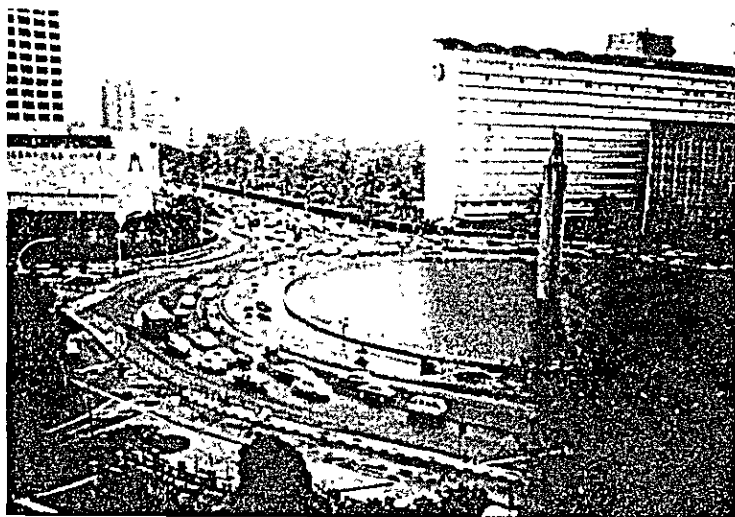


実 習 室

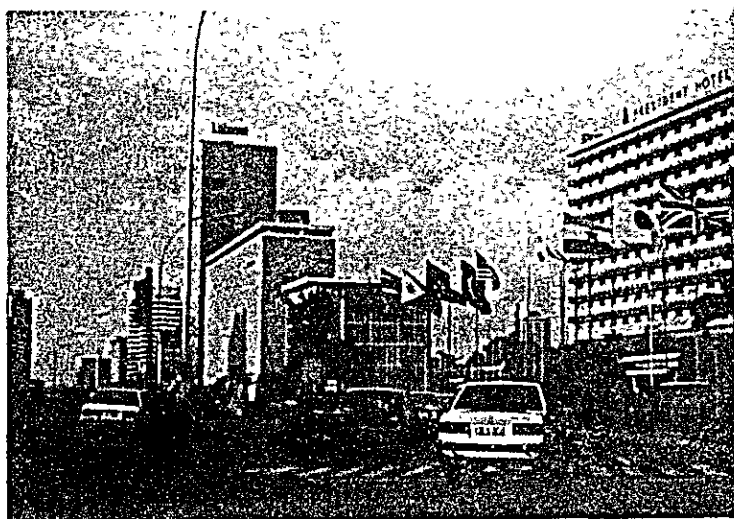


トレーニングキット

ジャカルタ市内風景

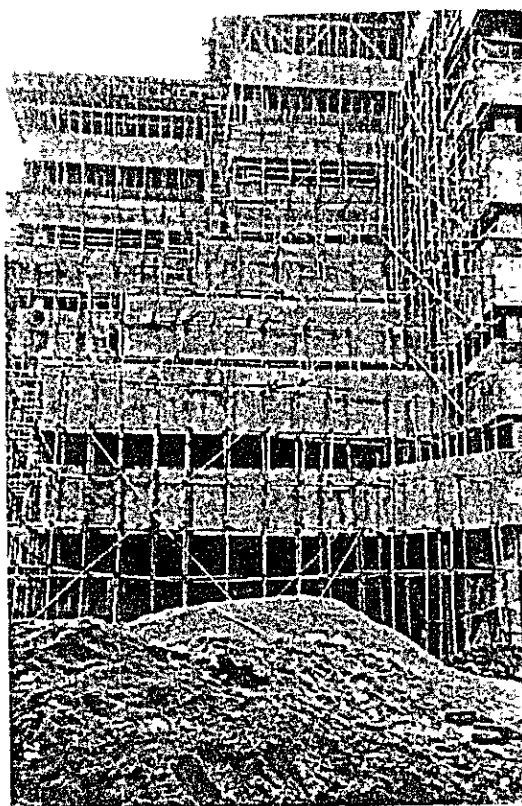


そ の 1



そ の 2

ジャカルタ市内の建設現場



その 1

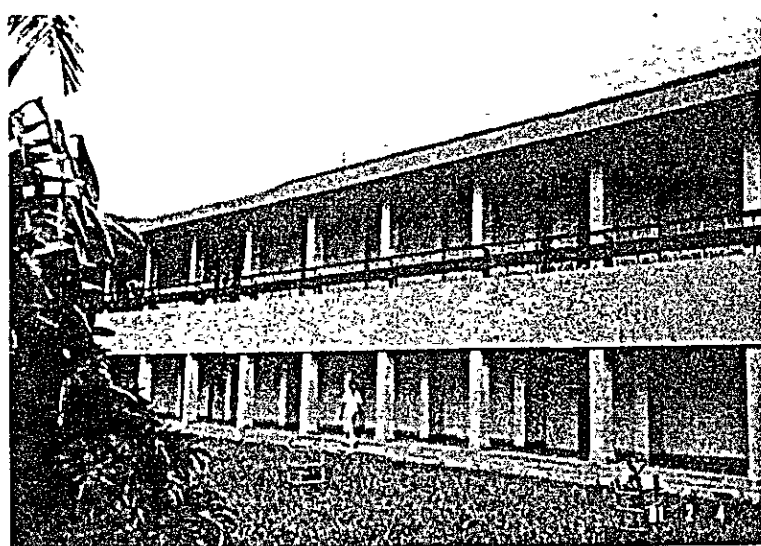


その 2

ジョグジャカルタ市の工業高校



構 内



校 舎

JICA