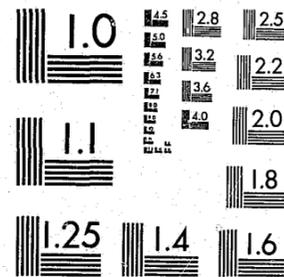


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Final Report

THIRD NATIONAL SYMPOSIUM
ON LAW ENFORCEMENT SCIENCE AND TECHNOLOGY

IITRI Project X6921

LEAA CONTRACT NO. NI 70-002

IIT RESEARCH INSTITUTE

THIRD NATIONAL SYMPOSIUM
ON LAW ENFORCEMENT SCIENCE AND TECHNOLOGY

FINAL REPORT

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To

National Institute of Law Enforcement
and Criminal Justice
Law Enforcement Assistance Administration
Department of Justice
633 Indiana Avenue
Washington, D.C.

IITRI Project No. X6921

LEAA Contract No. NI 70-002

July 1970

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FOREWORD

This report is a synopsis of events and activities involved in the planning and implementation of the Third National Symposium on Law Enforcement Science & Technology. This symposium was conducted under a contract from the National Institute of Law Enforcement and Criminal Justice to the Law Enforcement Science & Technology Center of IITRI in order to assist the criminal justice system by improved communications and the interchange of information. IITRI is grateful for the assistance given by the LEAA staff who contributed to this program and, in particular, to the active participation of Messrs. I. Slott and L. Mayo of the National Institute of Law Enforcement and Criminal Justice staff. The dedicated efforts of the planners, programmers, committee members, authors and attendees contributed in making the symposium a success in spite of three labor strikes and bad weather.

Mr. S.I. Cohn of IITRI was the Symposium Chairman and Mr. W.B. McMahon of IITRI was the Program Chairman. IITRI is grateful to have had the opportunity to contribute to this Third National Symposium on Law Enforcement Science & Technology by conducting it for LEAA.

Respectfully submitted,
IIT RESEARCH INSTITUTE


WILLIAM B. MC MAHON
Technical Director,
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APPROVED:


S.I. COHN
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SUMMARY

The Law Enforcement Science & Technology Center of the IIT Research Institute has conducted the Third National Symposium on Law Enforcement Science & Technology for the National Institute of Law Enforcement and Criminal Justice/ Law Enforcement Assistance Administration, Department of Justice as contracted. The symposium was held in Chicago, Illinois on March 31, April 1 and 2, 1970. The symposium's objectives were to stimulate the application of science and technology to the criminal justice system by:

- 1 - Providing a professional forum for the exchange of ideas and information;
- 2 - Identifying the relevant capabilities of science and technology;
- 3 - Fostering communication between the criminal justice and scientific and engineering communities as well as;
- 4 - Publication of the Symposium Proceedings.

Symposium and Program Committees were selected from the ranks of the many outstanding professionals from both the criminal justice and research communities.

The program consisted of plenary, technical and workshop sessions made up from both invited and contributed papers. A total of 65 papers were accepted from those contributed by federal, state and local criminal justice

agencies, research organizations and academic institutions. In addition, the workshops involved the participation of many senior level criminal justice management personnel.

In addition to twelve technical/functional sessions presented at the symposium, there were three plenary sessions and four workshops conducted during the three day period. In spite of a union strike at IITRI and a mail and airline strike as well as bad weather, the attendance was approximately 800. It is felt that the original estimate of 1500 attendees would have been easily met, strikes and bad weather notwithstanding.

The IIT Research Institute is most indebted to the members of the Symposium and Program Committees for their assistance. Their knowledge, counsel and many hours of labor contributed greatly to the success of the symposium.

The proceedings of this conference are presently being assembled and edited and should be published and distributed to the attendees in early Fall 1970. These proceedings will contain most of the papers presented at the symposium along with selected portions of the plenary sessions and a synopsis of each of the four workshops.

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I. INTRODUCTION

The Department of Justice, (OLEA) in coordination with IITRI's Law Enforcement Science and Technology Center first implemented the concept of National Symposia on Law Enforcement Science and Technology in Chicago March 7, 8 and 9, 1967. The interest and enthusiasm generated by this first symposium sparked the Second National Symposium on Law Enforcement Science and Technology which was again conducted by IITRI in Chicago, Illinois on April 16, 17 and 18, 1968 for the Justice Department (OLEA).

In recognition of the ever increasing crime rate and the needs of the criminal justice system, the Law Enforcement Assistance Administration (LEAA) contracted with IITRI in September, 1969, to conduct the Third National Symposium on Law Enforcement Science & Technology in Chicago, Illinois March 31, April 1 and 2, 1970.

The objective and scope of all three symposia were specified as follows

To stimulate the application of science and technology to the criminal justice system by:

- Providing professional forum for the exchange of ideas and information;
- Identifying the relevant capabilities of science and technology;

- Fostering communication between the criminal justice and scientific and engineering communities; as well as
- Publication of the Symposium Proceedings.

In addition, these symposia were intended as and have provided a vehicle to encourage the necessary interchange of ideas between the scientific/research community and the professionals of the criminal justice system required to reduce the impact of crime upon our society. They have provided both a nationally and internationally recognized professional forum for the exchange of information on the latest in criminal justice (law enforcement, prosecution, courts and corrections) technology.

The Third National Symposium on Law Enforcement Science and Technology was conducted by IITRI for LEAA on March 31, April 1 and 2 1970, at the Conrad Hilton Hotel with the above mentioned objectives and scope in mind.

Among the many highlights during the three days of the Symposium were: the Banquet Address by Attorney General John N. Mitchell, Attorney General of the United States, read to the assemblage by Charles H. Rogovin, Administrator, Law Enforcement Assistance Administration and the Keynote Address by the Honorable Clark McGregor, Congress of the United States, House of Representatives, 3rd District of Minnesota as well as the Plenary introductory addresses by

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Henry S. Ruth, Jr., Director of the National Institute of Law Enforcement and Criminal Justice; Charles H. Rogovin, Administrator, Law Enforcement Assistance Administration; and Quinn Tamm, Director, International Association of Chiefs of Police. Richard Velde and Clarence Coster, Associate Administrators of the Law Enforcement Assistance Administration and Daniel L. Skoler, Director of the Office of Law Enforcement Programs, participated as contributors in the Plenary Session discussions.

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II. ORGANIZATION OF THE SYMPOSIUM

The organization involved in conducting the symposium was very similar to that of the past two symposia. The IITRI Symposium Chairman and Program Chairman were charged with the job of implementation. The policy and technical and program guidance come from the symposium and program committees. These committee members were selected on the basis of their professional standings in the various facets of the criminal justice system. The names and titles of the members of these committees are contained in Tab A.

The responsibilities of the symposium committee was to insure the objectives of the symposium were met and to develop and approve the program. This committee met twice, once in Annapolis, Maryland, on November 25, 1969, and once in Washington, D.C., on January 10, 1970. The minutes of these meetings are contained in Tab B.

The program committee's responsibilities were to review the papers (invited and contributed) to determine their technical validity, pertinence and timeliness. Members of this committee were selected on their technical and professional competence in specific fields of technology. This committee acted only through correspondence and never met as a body. Each member independently graded his category of papers with each category having a minimum of two reviewers. The grades were then calculated and papers

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selected for approval of the symposium committee. A list of papers submitted and their authors is contained in Tab C.

Publicity arrangements were handled jointly between IITRI and LEAA and symposium facility arrangements by IITRI. Information on the press activities is contained in Tab D.

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III. PROGRAM FORMAT

In the First and Second Symposia the program agenda was broken down into two activities; (1) Plenary Sessions and (2) Technical Sessions based on technical disciplines.

Although this approach was submitted in IITRI's proposal for the Third National Symposium, it was decided by the Symposium Committee that a third category of activity was desirable. This third category was workshops. It was also decided early in the program planning stage that problem identification and definition should be emphasized throughout this symposium.

Another noteworthy change from the past two symposia program format was to develop the program more on a functional rather than a technical basis. These changes provided a better format for putting increased emphasis on the courts, prosecution, and corrections facets of the criminal justice system than had been in the past symposia.

The final program consisted of three plenary sessions which contained panel discussions, twelve functional/technical sessions and four workshops (1. Police, 2. Corrections, 3. Criminal Justice and 4. Courts and Prosecution).

It was also decided by the Symposium Committee that they would like to have a larger percentage of invited

papers than there have been in the past. This discussion posed several problems because it required additional expense for travel expenses and the elimination of a large percentage of submitted papers.

A copy of the final program is located in the appendix under Tab E with the Announcement and Call For Papers and Errata Sheet.

IV. IMPLEMENTATION

<u>Date</u>	<u>Activity</u>
Sept. 1, 1969	IITRI's Proposal No. 69-822X, submitted to LEAA, to conduct the Third National Symposium on Law Enforcement Science & Technology was approved.
Sept. 12, 1969	Department of Justice issued a press release.
Sent to Press: Sept. 24, 1969	A Call for Papers was prepared and mailed to 14,000 persons in the criminal justice and research communities.
Mailed: Oct. 29, 1969	
Oct. 14, 1969	The symposium committee was selected by LEAA in consultation with the symposium and program committee chairmen.
Oct. 29, 1969	A press release was prepared by LEAA and printed and distributed by IITRI along with the call for papers.
Nov. 21, 1969	Deadline for papers - extended to Dec. 15, 1969 due to late mailing because of labor union strike at IITRI.
Nov. 25, 1969	Symposium committee met in Annapolis to develop the program.
December, 1969	Program committee selected on the basis of types of papers submitted and recommendations of the symposium committee.
Dec. 22 - Jan. 15, 1970	Contributed papers reviewed and graded.

<u>Date</u>	<u>Activity</u>
Jan. 1-30, 1970	Program developed based upon contributed and invited papers and invited participants for the workshops.
Jan. 10, 1970	Symposium committee met in Washington, D.C. to approve the program.
Jan. 30, 1970	Invited and contributing authors advised as to their status in the program.
Feb. 16, 1970	Advance Program printed and mailed out to 14,000 persons plus related professional and research organizations.
Feb. 16, 1970	Programs and advance registration letters mailed.
March, 1970	Mail strike.
March 2, 1970	Programs and abstract booklet assembled and printed.
March 23, 1970	Final arrangements made at Conrad Hilton.
March 26, 1970	Air controller's strike.
March 31, April 1 and 2, 1970	Symposium held with air controls slow down reducing the attendance of both participants and attendees.
April 6, 1970	Preparation of the proceedings started.

V. PROGRAM COMPONENTS

A. Plenary Sessions

The symposium's plenary sessions presented those addresses and topics which were of interest to all the attendees. Three plenary sessions were presented with the program and structure of the various components of LEAA as the themes.

Plenary I (Session I) emphasized the National Institute of Law Enforcement and Criminal Justice Program. Plenary II (Session III) centered on the overall LEAA programs and objectives, while Plenary III (Session IV) highlighted the Office of Law Enforcement Programs - Block Grant Program.

B. Workshops

The objectives of the four workshops were to provide a mechanism to stimulate a dialogue on problem identification and definition between criminal justice practitioners and researchers. Each workshop involved four phases; (1) Problem identification; (2) Problem definition; (3) Technology identification; and (4) Problem and solution matching.

Participants were selected to fit each phase by a Workshop Chairman and the Symposium Committee. A chart outlining each workshop and type of participants is contained in Tab F. Abstracts of the workshops are presented below.

1. Police Workshop - "Police Management, Personnel Selection, Functions and Task Analysis"

Chairman - Robert M. Igleburger, Dayton Police Department

In problem identification, the present operations and functions of law enforcement agencies are outlined. Emphasis is on the identification of the functions required of law enforcement as seen by different groups, i.e., mayor, police chief, etc.

The problem definition phase concerns itself with the tasks associated with the identified functions and the determination of the criteria for matching people with tasks. It addresses such thoughts as; are policemen made or born?, should an officer be a 'jack of all trades'?

In technology identification new methods and systems for determining job functions and task analysis are discussed. Emphasis is placed on the methodology and staffing required for task analysis rather than specific solutions for police.

The emphasis made in problem and solution matching is on the practical means of matching new techniques with the operational requirements of the police. Actual cases are set forth as examples.

2. Courts and Prosecution Workshop - "Use and Abuse of Empirical Research"

Chairman - Paul Nejelski, National Institute of Law Enforcement & Criminal Justice

Present functions performed by the prosecution and the courts are identified as well as a review of the present status of our courts relative to performing the required functions. The prime problem areas where research, empirical or otherwise, might be applied are outlined.

The problem definition phase addresses itself to specific problem areas such as; information voids, records control, docket management, defendant control, witness control, etc., and outlines the basic needs of the problems and discusses the levels of detail required. Political, bureaucratic and social requirements and their respective limits along with the decision making chain are addressed.

The technology identification phase defines empirical research and identifies those limits which could possibly

improve the legal process. The costs and the practical and theoretical limits of research are outlined, and examples of past empirical research is also discussed by technologists.

The problem and solution matching phase addresses the various discussed needs and limitations of our present court system and how research can be applied. It addresses such points as who should conduct research?; is justice effected by research?; what part can research play in this portion of the criminal justice system?

3. Corrections Workshop - "Confinement Facility Planning and Design or, 'What's in a Prison'?"

Chairman - John Galvin, Oregon Department of Corrections

In problem identification for this workshop, the discussions are centered on the identification of the required levels of confinement from overnight lock-ups to life imprisonment. The criteria for the establishment of different levels of facilities such as ; length of sentence, offense, mental or physical condition, jurisdiction, etc., is outlined.

In the problem definition area a definition of goals and the needs of each level of confinement are based upon the criteria developed in the problem identification area of this workshop. Sets of requirements are developed to meet the needs of each level and are responsive to functions to be performed, i.e., punishment, rehabilitation human management, medical, mental and physical needs of those confined.

In the technology identification phase of this workshop, discussion centers on the basic social science problems and how they can be solved by assistance from the hard sciences involving both the social and physical scientists.

Discussion in the problem and solution matching portion is concerned with the needs and means of interdisciplinary design cooperation between the administrators, planners, social scientists and physical scientists in order to meet definite goals.

4. Criminal Justice Workshop - "Information Systems Planning and Implementation"

Chairman - Robert R.J. Gallati, New York State Identification & Intelligence System

Problem identification discussion concerns the identification of the requirements and needs of each facet of the criminal justice system. Administrative and management problems envisioned in implementation and the economic justifications required are highlighted. The most basic question is: should separate systems be set up with the ability of one type of user to have access to other users information or should a common system be employed satisfying all users?

The problem definition area concerns specific information requirements of various criminal justice elements (agencies) and what they require, i.e., accessibility require-

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ments, security requirements, common data and storage requirements and network requirements.

In technology identification, discussions on the state-of-the-art of information retrieval systems point out new features on the third generation computer capability, i.e., time sharing, large mass random access features, information displays, etc.

Discussion of the needs and means of interdisciplinary design cooperation between the administrators, planners and computer specialists in order to meet their goals, highlight the problem and solution matching portion of this workshop.

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C. Technical Sessions

The technical sessions in the symposium were selected more on a functional basis rather than a pure technical basis in order to have them relate better to the criminal justice operations people. Each session was chaired by a knowledgeable technologist or operationally involved individual in order to encourage and stimulate more meaningful discussions. Only twelve such sessions were held in order to limit the number of parallel sessions, which in turn limited the number of papers which could be presented. Papers in these sessions were given by both invited and contributing authors. The program shown in Tab E contains the specifics of the papers accepted.

The sessions presented and their chairmen were as follows:

Corrections Research Session

This session was chaired by John Conrad, Center Chief, LEAA and consisted of three invited and three contributed papers. One paper was not presented due to sickness of the author.

Police Management and Operations Research Sessions

Three of these sessions were presented and they were chaired by Fred Ferguson, Covina California Police Department; Samuel Chapman, University of Oklahoma; and Ronald D. Smith, International Association of Chiefs of Police.

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A total of 17 contributed papers were programmed for these sessions. Three papers were not presented due to the air controller's strike and the weather.

Communications Technology and Command and Control Technology Sessions

The two sessions were to have been chaired by Frank Pethel, IIT Research Institute, and Carl Miller, Chicago Police Department respectively with a total of twelve papers programmed. However, Carl Miller was unable to attend due to illness and Robert McCann, Chicago Police Department substituted for him. The presentations were broken down into 1 invited and 11 contributed papers. All of the papers programmed were presented.

Crime Deterrence and Security Session

One session was conducted in this area and was chaired by William Wolber, Rome Air Development Center. A total of six papers were selected for this session, 1 invited and 5 contributed. Two papers were not presented due to the air controller's strike and the weather conditions.

Courts and Prosecution Research Session

This session was chaired by Edward B. McConnell, State of New Jersey Courts Administration and was programmed for six papers, 3 invited and 3 contributed. One paper was not presented due to illness of one of the authors.

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Criminalistics Technology and Criminalistics and Support Technology Sessions

These two sessions were chaired respectively by James Osterburg, Indiana University and Joseph Nicol, University of Illinois. A total of eleven papers were scheduled for these sessions, 3 invited and 8 contributed. One paper was not presented due to the author's illness.

Information System Technology

This session was chaired by Donald King, Florida Department of Law Enforcement and was programmed for six papers, all contributed. One paper was not presented as it was withdrawn by the author at the last minute.

Investigative Support Technology Session

This session was programmed for six papers and was chaired by Arthur J. Altenburg, IIT Research Institute. These papers were all contributed, and all were presented.

VI. FACILITY ARRANGEMENTS

The symposium was held at the Conrad Hilton Hotel, 720 South Michigan Ave., Chicago, Illinois 60605. Arrangements were made initially for a block of 500 hotel rooms and for three technical session rooms, a room for the plenary and workshop sessions and banquet space. In addition, space was allotted to a continuous coffee lounge, several small meeting rooms and a press room. The rooms and their capacities utilized were as follows:

<u>Room</u>	<u>Capacity</u>	<u>Event</u>
International Ballroom	2/3 2400	Plenary & Workshop Sessions
Grand Ballroom	1390	Banquet
Williford Room		
Parlors B & C	625	Technical Sessions
Parlor A	225	Coffee Room
Beverly Room	300	Technical Sessions
Waldorf Room	450	Technical Sessions
Astoria Room	200	Press Room
Private Dining Room # 8	40	Private Meetings
Private Dining Room # 9	40	Private Meetings
Private Dining Room # 10	40	Private Meetings

Technical services for slide projector, recorders and other audio-visual aids were coordinated and managed by IITRI's staff through the hotel staff.

The facilities and services provided the symposium by the Hilton were generally very good and more than adequate. They have an excellent conference staff which was responsive to our needs and quite helpful in planning and implementation.

VII. CRITIQUE OF SYMPOSIUM OPERATION

In view of the total time allotted, strikes, bad weather and other problems, the symposium was well received by those involved (attendees, authors, session chairmen, and committee members). We have received many constructive comments as to how to improve the symposium. Since the comments given by authors and session chairmen were obtained on a confidential basis they are not included as such in this report. However, their comments will be analyzed and consolidated for inclusion in the proposal for the Fourth National Symposium.

Some of the major criticisms and concerns of these people were as follows:

- (1) Sessions too long (3 hrs.) without breaks
- (2) Too many papers in a session
- (3) More time for questions
- (4) Not enough participation by practitioners
- (5) Sessions often too technical
- (6) More involvement by corrections and courts and prosecution communities should be obtained.

In general, all felt that this program was better than the previous two, mainly because there was more of an involvement of practitioners and their problems.

Several problems in attendance and types of papers submitted were due to a late start (Sept. 69) and all involved,

IITRI and National Institute personnel, recognized that we could have done a better public relations job if time had permitted. It is recommended that a minimum of one (1) year be programmed for the planning, staffing and implementation of the next symposium. This would permit the Symposium Committee to play a more meaningful part in the planning of the Symposium, give time for invited and contributed authors to develop better papers, and permit a realistic time schedule for final reviews; selection, printing and distribution of the program. The attendance would in turn be increased and a broader participation developed by a comprehensive press program.

VIII. APPENDIX

THIRD NATIONAL SYMPOSIUM ON LAW ENFORCEMENT
SCIENCE & TECHNOLOGY

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TAB
A
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COMMITTEE MEMBERS

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AF/White House

Forensic Science/Criminalistics

Mr. Joseph D. Nicol
University of Illinois

Mr. Louis Mayo
LEAA

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Chicago Police Department

Communications

Mr. Frank Pethel
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Mr. Harold Patterson
Treasury Department

Investigative Support Technology

Captain Hugh Everline
Maryland State Police

Mr. Arthur J. Altenburg
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Mr. Donald King
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Mr. John F. X. Irving
Illinois Law Enforcement Commission

Judge Wade H. McCree, Jr.
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Mr. Paul Nejelski
LEAA

FAR MEMBERS OF SYMPOSIUM
COMMITTEE MEETINGS

SYMPOSIUM COMMITTEE MEETING MINUTES

For the

THIRD NATIONAL SYMPOSIUM ON LAW ENFORCEMENT SCIENCE & TECHNOLOGY

ATTENDEES: S.I. Cohn, Chairman
A. Bilek
J. Galvin
R. Igleburger
W. McMahon
L. Mayo
P. Needham
I. Slott
R. Smith
J. Wilson
C. Zamuda

The first Symposium Committee Meeting for the Third National Symposium on Law Enforcement Science & Technology was called to order by Mr. S.I. Cohn, Chairman, at 9:30 a.m. on November 25, 1969, at the IITRI/Annapolis office, ten members were present. Messrs. Needham, Smith and Zamuda were in attendance as representatives for Messrs. Conlisk, Tamm and Judge Breitl. *Purdy*

Following a Welcome by Mr. Cohn, Mr. Slott addressed the attendees. Mr. Slott related the Institute's desire to bring the fruits of law enforcement to science and technology as well as to bring the knowledge of law enforcement science and technology to the leaders of the law enforcement society. Mr. Slott then asked Mr. Mayo to say a few words encompassing the scope of the Third National Symposium. Mr. Mayo emphasized concern for the problem definitions in the police area. He mentioned that courts and corrections do have other professional meetings during the year where the police area is pretty well devoid of gatherings with the exception of the annual IACP meeting. He stressed a comprehensive symposium with outlets for law enforcement and police aspects of law enforcement to be emphasized.

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Discussion then reverted to Mr. Cohn who asked for approval or comments on the proposed program outline that had been tentatively prepared. Mr. McMahon then reviewed the scope and concept and discussed the general ideas and structure of the proposed program. He mentioned that the program addresses itself to the problem identification and definition for technologists and operationalists as well as to the general application and accomplishments for specific problem approaches. Further discussion reverted to various attendees who commented on the goals of the technologists and the practitioners. Mr. Galvin pointed out that each area problem is interrelated and the individual sessions should be a composite of all of the areas (police, courts and corrections); Mr. Slott related the problems involved in mixing the technologies. The committee then adopted Problem Identification and Definition #1 unanimously as the governing outline in setting up the symposium sessions.

Dr. DuBridg was suggested as KEYNOTE ADDRESS speaker with Henry Ruth giving a welcome to symposium attendees before the first Plenary Session on March 31st. Charles Rogovin has been suggested as a speaker for Plenary II in the evening of the first day. Inasmuch as the President does not commit himself any earlier than 6 weeks prior to a speaking engagement, we hope to have him as our Banquet guest speaker.

With regard to Plenary III, Mr. Slott suggested that the SPA should be looked at with respect to what LEAA can accomplish for them. Who does the planning for the districts, etc.? Mr. Galvin mentioned that individuals should be aware of the planning structure in the states and Mr. Slott's additional viewpoint was that the Regional Directors should attack higher priority problems. Mr. Bilek interjected his thought that the appeal should be three parted: one part SPA; one part disciplines; and one part science and technology research plans. Discussion ensued concerning the regional level planning group's role.

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Suggested workshop topics were discussed and are as follows:
POLICE New Role & Image; Implementation of Manpower Utilization; Management's Role; Management of Field Resources; Narcotics; Intoxification; and, Criminal Justice.

COURTS WORKSHOP Prosecution; Plea Bargaining; Rehabilitation and Treatment of non-adjudicated offenders (voluntary and non-voluntary); People Awaiting Trial; Impact vs. Intent; Program Innovation and Evaluation; Management Change; Technology Change.

Attendees were asked to submit additional thoughts and comments on the Workshops. Time did not allow discussion on CORRECTIONS Workshops; however, it is hoped that the attendees will include this topic with their submission.

It was suggested that a list of State's Planning Structures should be passed out during the symposium. Mr. Galvin felt that Information Systems should be an appointed part of the Symposium. He was assured that it was.

Proposed Program Committee Candidates were presented to those in attendance and a request to review the list was made. After reviewing the list, the attendees are requested to submit, by mail, recommendations with addresses and phone numbers and any deletions or corrections should also be made known.

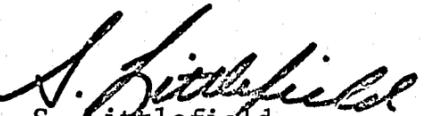
January 10, 1970 (a Saturday) was tentatively proposed as the next Symposium Committee meeting date. This meeting will be held in Washington, D.C. at the National Institute Headquarters. This meeting will be held from approximately 9:00a.m. until 3:00p.m. All seemed to be in accord with the proposed date.

Administrative matters pertinent to the meetings and symposium were discussed and Mr. Cohn asked that the attendees submit expense reports to him covering expenses incurred for this meeting. The attendees were asked to advise Mr. Cohn or Mr. McMahon of their accommodation preferences for the second meeting.

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A list of several proposed Themes for the Symposium was presented to those in attendance and a request was made that they be reviewed for discussion during the next Symposium Committee meeting. Attendees were asked to submit, in writing, any suggestions or comments they may have for topics for the various Workshops, the proposed Program Committee Candidates and any other useful information they may deem pertinent.

The meeting was adjourned at 4:30p.m.


S. Littlefield
SECRETARY

APPROVED: December 11, 1969


STANLEY I. COHN
Chairman,
Third National Symposium on
Law Enforcement

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SYMPOSIUM COMMITTEE MEETING MINUTES

for the
THIRD NATIONAL SYMPOSIUM ON LAW ENFORCEMENT SCIENCE & TECHNOLOGY

Committee Members in attendance: D. Behnke
S. Cohn, Chairman
J. Galvin
R. Igleburger
W. McMahon
L. Mayo
I. Slott
R. Smith
J. Wilson
C. Zmuda

GUESTS: H. Ruth
D. Skoler
P. Nejelski

The second Symposium Committee Meeting for the Third National Symposium on Law Enforcement Science & Technology was called to order by Mr. S. I. Cohn, Chairman, at 9:15 a.m. on January 10, 1970, in the Headquarters Building of the National Institute of Law Enforcement and Criminal Justice. This meeting was attended by seven members, three substitute members. (D. Behnke represented A. Bilek, R. Smith represented Q. Tamm and C. Zmuda represented Sheriff Purdy) and two members absent (J. Conlisk and Judge McCree, Jr.).

Mr. Cohn welcomed the attendees and introduced Mr. Henry Ruth, Director of the National Institute, and opened the meeting for discussion. A review was called for on the outline of the Workshops on the Symposium agenda and discussion began with the CORRECTIONS Workshop, Mr. Galvin is the chairman. Mr. Ruth asked

how Mr. Galvin defined the 'CORRECTIONS WORKSHOP', the scope he proposed and the audience Mr. Galvin anticipated drawing. Mr. Galvin stated that a planning guide was the proposed accomplishment of this workshop; a systems approach for prisons and corrections and he elaborated on this point. The audience anticipated would be from the corrections field, social and physical scientists, architects and security engineers.

The CRIMINAL JUSTICE Workshop, (Information Systems Planning & Implementation), was then brought up for discussion. Mr. McMahon told the group that Mr. R. J. Gallati would Chair this session. Mr. Ruth asked if project SEARCH would be included in this session. Mr. McMahon stated that one paper had been submitted on this subject and would probably be presented in the technical session. It was suggested that J. Daunt might be brought in to discuss the total system at the federal level for the workshop. Considerable discussion on the POLICE Workshop, (Police Management/Personnel Selection/Function & Task Analysis), then followed. Chief Igleburger had been asked to Chair this session and accepted at the meeting.

For the review of the COURTS Workshop, (Use & Abuse of Empirical Research In Legal Systems), P. Nejelski, Session Chairman and member of the Institute staff, was asked to review the status of the workshops. Mr. Nejelski discussed the outline of the workshop and reported on the status of the speakers. He stated that there is a need to identify the problems involved in empirical research and how to best utilize this research. A criteria should be set

up to analyze the levels and the limitations of this research.

At this point during the meeting, Mr. Ruth was asked to say a few words regarding the Institute's work. He distributed the Institute's report on PROGRAM and PROJECT PLANS FOR FY 70 and said that he would appreciate the attendee's comments and/or criticism of the programs. With regard to the Symposium, Mr. Ruth commented that we should emphasize police attendance and focus on these individuals rather than on technology which appeals just to professors and computer engineers.

Mr. Cohn asked for discussion of the Plenary Sessions and suggestions were made with respect to the welcoming speaker and keynoters for Plenary I, which is the opening session on March 31st. Representative Railsback was suggested as a possible candidate to give the Welcome address. As possible keynoters, the names of Senator Brook, Senator Percy, Mayor Stokes and Pat Moynahan were suggested. Mr. Cohn will call the Symposium to order in his capacity as Chairman and give pertinent introductory remarks following the Welcome. An address and the introduction of the Institute panel will be given by Mr. Ruth following the Keynote Address. An Intermission coffee will precede the panel question and answer period. Attendees then clarified their expectations for the question and answer period and the guidelines for it. The panel will be comprised solely of Institute staff members.

Mr. Mayo briefly outlined the program for Plenary Session II in the evening of the first day. Mr. Charles H. Rogovin, LEAA Administrator, will be the principal speaker with approximately

30 minutes of formal remarks. It is believed that Mr. Rogovin's two associate administrators will also participate. Mr. Mayo suggested that D.C. Court Judge Bryant be added to the list of prospective speakers. Mr. McMahon asked that the attendees submit to him, in writing, any other possible candidate speakers they might wish to suggest.

Dan Skoler of OLEP was asked to join the meeting to relate his projected scope for the Plenary III session. He stated that this session would stress the Block Grant concept and its operation. This session should also encompass the cities relation to the SPA starting with the research and analysis of the opportunities the cities will have in criminal justice and law enforcement research. There is a great need, he also stated, for the cities to work with the SPA to define their role in research planning. (Particularly with respect to block grant programs).

Possible alternate banquet speakers were suggested providing President Nixon does not attend; Attorney General Mitchell has been contacted, but he will only accept invitations six weeks prior to the speaking date. Vice President Agnew was suggested as another possible speaker. Mr. Mayo was asked to send copies of our correspondence to the President, to the Attorney General.

A review of the submitted abstracts followed and Mr. McMahon was asked to briefly summarize the material. He stated that abstracts have been sent to the Program Committee members for review and their ratings. Mr. McMahon stated that the abstracts received were generally very good and showed a great deal of interest in

current problems.

Discussion reverted to the outline of the workshops which have been set up to have three technical sessions running simultaneously.

Administrative matters were brought up and Mr. Cohn asked that attendees submit their expenses for this meeting. The attendees have divided thoughts on the Theme for the Symposium and left the final decision to the Institute. All were in agreement that at this time there seems to be no need to hold a third committee meeting before the Symposium.

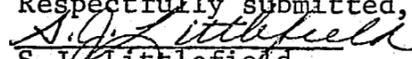
With no further business to act on or discuss, the committee meeting was adjourned at 2:10 p.m.

APPROVED:

February 9, 1970



STANLEY I. COHN
Chairman,
Third National Symposium
on Law Enforcement

Respectfully submitted,

S.J. Littlefield
SECRETARY

ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
1-69	Bottoms, Albert Nilsson, Ernst Olson, David	Allocation of Resources in the Chicago Police Department
2-69	Gantner, George Wood, Harry C.	Future Use of Computers and Other Devices in Death Investigation
3-69	Zeitz, Leonard	Rehabilitative Planning Services for the Criminal Defense
4-69	Johnson, Elmer	Evaluating Work Release As A Community- Bases Strategy
5-69	Brown, Lee P.	Evaluation of Police-Community Relations Programs
6-69	Knudten, Richard	The Religion of the Indiana Prisoner
7-69	Busch, Ted	Planning, Not Spending, Provides Adequate Shooting Range Facilities
8-69	Chapman, Samuel G.	Assaults on Police Officers
9-69	Hodges, John D. Yefsky, Sheldon	A Review of the Development of Advanced Field Communications for Law Enforcement Command & Control

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ABSTRACTS AND SUMMARIES SUBMITTED

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(* Invited Authors)

NO,	AUTHOR	TITLE
10-69	Bockelman, Melvin	The Kansas City Missouri Police Computer Teleprocessing System (ALERT)
11-69	Dillon, Sally I.	The Grouping of Dried Physiological Stains by the Absorption-Elution Method
12-69	Tewksbury, John	A New Approach to Full Duplex Communications
13-69	Johnson, Richard	The NYSIIS Data Conversion Program for the Summary Case History System
14-69	Coster, Clarence	Procedural Approaches to Outside Employment Activities in Police Agencies
15-69	Taylor, Louis L.	System Engineering Solutions to the Communication Problems of a Large Municipality
16-69	Zumbrun, Alvin	The College's Role in Educating the Rehabilitator to More Effectively Rehabilitate
17-69	Pitchess, Peter	Student and the Law - The Challenge of Our Times
18-69	Beck, Robert M.	Police Operational Teleprinter Evaluation

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(* Invited Authors)

NO,	AUTHOR	TITLE
19-69	Buckley, Robert	Military Spinoff of Infrared Instrumentation for Law Enforcement
20-69	Coates, Joseph F.	Nonlethal Weapons: Three Years of Progress and Postponement
21-69	Coates, Joseph	Some Positive Values in Public Mass Violence
22-69	Coates, Joseph	Guerilla Warfare in the United States: New Myths and Old Realities
23-69	Grupp, Stanley	Non-Marihuana Drug Use by a Sample of Marihuana Smokers
24-69	Johnson, R.W.	Mobile Digital Communications-A Progress Report
25-69	Kirk, Paul L.	The Real Technological Needs of the Criminalistics Operation
26-69	Schoenfeld, Eugene	Social Class and Delinquency: An Action Approach
27-69	Hovey, Scott W.	Automated "911" - An Acceptable System

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ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
28-69	Goeltz, Richard R.	A Novel Electronic Device for Crime Control and Prevention
29-69	Tuchler, Maier I.	A Psychiatric Survey of the Application of Science and Technology to the American Criminal Justice System: A Critique and Constructive Overview
30-69	Tuchler, Maier I. Osterburg, James	Sensitivity Training Program For Police Officers
31-69	Swanson, Terrance	Information and Document Flow In Criminal Case Processing: Where Can We Improve?
32-69	Sills, Arthur J. Abelson, Elias Marcus, Joel N.	Planning for an Information System- An Analysis of Project SEINE
33-69	LaBeouf, Alfred	Communication Center Layout and Procedures for a Medium Sized City
34-69	LaBeouf, Alfred	Quantitative and Qualitative Analysis of the Rochester Police Radio Communications Channels
35-69	Bloch, Peter B.	A Critique of the Federal Law Enforcement Assistance Program

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(* Invited Authors)

NO,	AUTHOR	TITLE
36-69	Rieder, Robert J.	Police Information-Communications Network: A System's Analysis View
37-69	Adams, Ronald T.	Simulation of Police Field Forces for Decision Making in Resource Allocation
38-69	Baker, James D.	A Technique for Predicting Trends in Crime
39-69	Rogers, John B.	A Format for Securing Local Participation in Comprehensive Criminal Justice Planning in a Small State
40-69	Kolodney, Steve	DIGEST: A Computerized Statistical Information System for Criminal Justice Research Planning and Fund Allocation
41-69	Kolodney, Steve Patterson, Paul	CALIFORNIA PRISONERS: A Statistical Analysis to Aid Criminal Justice Policy Formulation and Decision Making
42-69	Wiechman, Howard	Project Challenge: A Practical Training Program
43-69	Cunn, Arthur L.	The Visualization of Fingerprints from Living Human Skin by Using X-Ray Techniques
44-69	Cunn, Arthur L.	Portable Electronic System For Use In Bomb Detection and Other Law Enforcement Uses

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(* Invited Authors)

NO,	AUTHOR	TITLE
45-69	Priester, W.M. Acheson, L.K.	Systems Study of the Los Angeles Police Department
46-69	Billingsley, S.K.	Methods for Impact-Oriented Unusual Occurrence Classification and Prediction of Civil Disturbance Intensity
47-69	McCormick, William Kresse, Arthur	The Analysis of Criminal Justice Data By An Array Reordering Technique
48-69	Zavala, Albert Zavala, Thomas Paley, James J.	The Analysis of Facial Feature Dimensions
49-69	Whisenand, Paul	The Covina Police Department Adopts A Professor: A Lesson In Role Ambiguity
50-69	Egner, Donald O. Samuels, David Campbell, Donald	Riot Control: Analysis and Catalog
51-69	Walsh, Timothy J.	The Digital Computer In Integrated Security Systems
52-69	Kaye, R.K. Harris, D.V.	An Integrated Vehicle Location and Communication System (IVLCS) for Command & Control of Municipal Fleets

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ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
53-69	Benson, Walter Stacy, John E. Nicol, Joseph	Systems Analysis and The Crime Laboratory
54-69	Morgan, J.P.	Responsibilities of Universities to the Criminal Justice System
55-69	Gunn, John W.	Scientific Programs of the Bureau of Narcotics and Dangerous Drugs
56-69	Adams, Robert M.	Acoustics in Crime Control-Past, Present & Future
57-69	Wormeli, Paul	Project SEARCH-System to Electronic Analysis and Retrieval of Criminal Histories
58-69	Larkam, C.W. Lauderdale, D.M.	Solion Sensors with Outstanding Potential for Intrusion Detection
59-69	Lauderdale, Donald	A Stolen Car Radio Beacon
60-69	Carnaghi, John McEwen, Thomas	Plotter Analysis of Traffic Data

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ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
61-69	Zauderer, Jerome	Field Testing of an Automatic Vehicle Monitoring System
62-69	Saunders, George	The Role of the Testing Laboratory in the Evaluation of Surveillance Detection Equipment
63-69	Bober, Alvin Mills, Albert L.	The Value of Field Test Kits for Prohibited Narcotics Drug Control
64-69	Bober, Alvin	Modern Chemical Analysis for Customs Law Enforcement Officers
65-69	Griffiths, Keith	The Role of Research in Corrections
66-69	Hillery, Herbert	Acoustic Instrumentation for Crime Prevention and Detection
67-69	Zeno, Joseph	Security and Integrity of Law Enforcement Information System Data
68-69	Mills, Byron	Designing a Work Plan for the Conversion and Automation of Law Enforcement Master Name Files
69-69	Thompson, Charles Rath, Gustave	The Design and Evaluation of Police Experiments

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ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
70-69	Brightman, Richard	Project CALCOP - A Comparison Between Computer Assisted Instruction and Lecture Methods in the Training of Law Enforcement Officers
71-69	Roenitz, Robert	New Concepts in Portable Radio Communication Systems
72-69	Pichel, Marlowe	Visible and Infra-red Illumination for Law Enforcement
73-69	Colletti, Joseph Simpson, Charles	A Study of Police Manpower Distribution and Allocation Practices
74-69	Robinson, Charles Paley, James J.	Automating Criminal Identification Process
75-69	Chilton, Roland Jorgenson, James	Some Social Organizational Prerequisites to Technological Innovation in Law Enforcement
76-69	MacDonell, Herbert	The Effect of High Velocity Impact on Glass with Special Consideration to the Production of Secondary Projectiles
77-69	Hastings, Thomas	Teen on Patrol, A New Approach to Police Communication into the Inner City

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ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
78-69	Smith, Claud T.	A Computerized National Law Enforcement Communications System
79-69	Golden, Richard	The Yes-No Technique in Polygraph Testing
80-69	Heller, Nelson	Proportional Rotating Schedules
81-69	Mitchell, Bernard	Modulation Techniques Investigation to Enhance Communication Channel Utilization
82-69	Thomas, James	Application of the Total Spectrum of Science & Engineering Through the Information Analysis Concept
83-69	Ferguson, Fred Anderton, Jean	City of Covina Police-Community Relations Coffee Klatch Program
84-69	Hodges, John Kallfelz, Paul	A Generalized Law Enforcement Information System Software Package
85-69	Rhymer, Paul	Law Enforcement Information Network Requirements Analysis
86-69	Gray, Paul Byrne, G.C. Rardin, Ronald	Reduction of Robbery and Assault of Bus Drivers

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(* Invited Authors)

NO,	AUTHOR	TITLE
87-69	Glasspool, W.T. Welch, Robert	Vehicle Surveillance Systems
88-69	Purbaugh, J.R.	Safety in Search and Arrest Procedures
89-69	Sussman, Donald Sugarman, R.C. Zavala, A. Paley, James	The Efficacy of Television and Still Photography as Identification Media
90-69	Rosenthal, Paul Plummer, David	Evaluation of Forensic Laboratory Practices
91-69	Elliott, J.F. O'Connor, John Sardino, Thomas	Experimental Evaluation of the Crime Control Team Organization Concept
92-69	Bonwitt, William	Cost Benefit Analysis of Law Enforcement Information Systems
93-69	Osborne, Allen Sale, Charles	Management Development Program of the Los Angeles Police Department
94-69	Gallati, Robert	Security Engineering For a Criminal Justice Information System - The NYSIIS Experience and Proposed Development

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(* Invited Authors)

NO,	AUTHOR	TITLE
95-69	Connelly, Francis	Application of Marginal Analysis to Determination of Optimal Conditions in Correctional Institutions
96-69	Smith, Deuel	Criminal Intelligence Tactical Unit Organization for Parishes (Counties) Under 125,000 Population
97-69	Anzelmo, Sam	Automated Command and Control Dispatch System
98-69	Stoudenheimer, R.	Night Surveillance Systems for Law Enforcement
99-69	Davis, Ritchie Charon, William	A New Concept in Police Training
100-69	Wooner, Orval L.	A Free World Law Enforcement Advisory Effort
101-69	Guttenplan, Henry	The National Institute on Police Laboratory Operations
102-69	Bard, Morton Zacker, Joseph	Design for Conflict Resolution
103-69	Schwartz, Malcolm	Magnetometer Detection: A New Technology For Law Enforcement

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(* Invited Authors)

NO.	AUTHOR	TITLE
104-69	Folk, Joseph F.	Simulation of A District Detective System
105-69	Quarantelli, E.L. Dynes, Russell	Looting and Property Norms: Their Patterns in Community Disasters and Disturbances
106-69	Bordua, David Tifft, Larry L.	Citizen Interviews Organizational, Feedback, and Police-Community Relations Decisions
107-69	Hamm, Carl W.	Criminal Justice As A College Baccalaureate Degree
108-69	Bradford, Lowell Samuel, Arych	Research & Development Needs in Criminalistics
109-69	Hurter, A.P. Wright, G.P	Police Allocation Problems: A Framework for Evaluation
110-69	Walsh, Edward T.	Three Years of Living with PREP
111-69	Doud, Donald	An Appraisal of the Federal Indigent Defendants Program by an Expert Witness for the Defense

ABSTRACTS AND SUMMARIES SUBMITTED

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(* Invited Authors)

NO.	AUTHOR	TITLE
112-69	Drumheller, W.C. Ferguson, C.A.	A Model Perimeter Detection System Federal Youth Center, Ashland, Kentucky
113-69	Newman, Charles Price, Barbara	Manpower, The Administration of Criminal Justice, and New Recruitment Target Groups - A Study in Progress
114-69	Blumstein, Charles	Things Are Not What They Seem To Be
115-69	Herrmann, Wm.	VIP Protection
116-69	Herrmann, Wm.	Riots and Disorders
117-69	Herrmann, Wm.	ACACIA - A System For Automating Content and Critical Incident Analysis
118-69	Whisenand, Paul	Criminal Justice Information Systems: A State-of-the-Art Survey
119-69	Rypinski, Chandos	Police Message & Status Reporting System
120-69	Grote, Vincent	CINCOM Planning - From Conception to the Future

ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
121-69	Johnson, Richard	A Proposed Solution to the Problems Related to Present Day Personal Appearance Systems
122-69	Smith, Deuel C.	A Proposal for the Institution of a Bachelor of Arts Degree in Law Enforcement
123-69	DeFranco, Edward	Computerized Organized Crime Intelligence System
124-69	Frost, Cecil R.	The Application of Voiceprint Technology to Law Enforcement
125-69	Peters, Lee A.	Closed Circuit Television Surveillance Truck
126-69	Heckel, Donald	Advancements in Night Vision to Assist the Police Community
127-69	Buchwalter, Omar	A Feasibility Study of Offender Participation in Juvenile Court Decisions
128-69	Ebstein, Bernie	Spectrum Requirements of the Police Radio Service in an Extended Metropolitan Area

ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
129-69	Furcon, John	Psychological Predictors and Patterns of Patrolman Field Performance
130-69	Reed, William	A Computer/Microfilming Automated Records & Identification Concept-A New Application
131-69	Shirk, Blair I.	The Maryland InterAgency Law Enforcement System, Its History, Status & Future Plans
132-69	Smith, R. Dean	Police Traffic Responsibilities: A Manpower Requirements, Allocation & Distribution Model
133-69	Gardner, Sr. Martin R.	Neuromuscular Relaxation as a Methodological Approach to Stress Conditioning
134-69	DeFranco, Edward Keenan, Brian et.al	The Evaluation of Automatic License Plate Scanning Systems
135-69	Framan, Elliot P. Gaunt, Robert	Evaluation of Helicopter Patrols
136-69	Bay, Gerry Hand, F.R., et al	The Application of Aerospace Technology to Law Enforcement Problems

ABSTRACTS AND SUMMARIES SUBMITTED

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(* Invited Authors)

NO,	AUTHOR	TITLE
137-69	Church, Janis	Busy Hour Loading on Suburban Police Radio Networks
138-69	Knickel, E. Ray	Milwaukee Mobile Teleprinter Test Results and Cost Effectiveness Evaluation
139-69	Wright, J. Ward Eisenberg, Daniel E.	A Comprehensive Public Safety Information System
140-69	Sleight, Robert	Vandalism: The Situation
141-69	Mason, Hale	A Survey of Police Air Mobility Systems
142-69	Daskam, Samuel W.	Utilization of Electronic Surveillance Equipment in Crime Countermeasures
143-70	Deltrap, J.H.	"Owl Eye" Low Light Level Viewing System
144-70	Dashiells, Howard	Spectrophotometry & Micromanipulation in the Examination of Alterations & Line Crossing
145-70	Joseph, Alexander *	The State-of-the-Art of Micro-Techniques in the Identification of Sub Groups of Genetic Variations in Dried Blood

ABSTRACTS AND SUMMARIES SUBMITTED

THIRD NATIONAL SYMPOSIUM

(* Invited Authors)

NO,	AUTHOR	TITLE
146-70	Parker, Brian *	Physical Evidence Utilization Impact
147-70	Overly, Don H.	Policy Planning & Administrative Feasibility in Urban Police Agencies
148-70	Key, Walter *	A Look into the Future of Police Communications
149-70	Bennett, Lawrence A.*	Psychological Effects of Long-term Confinement
150-70	Matthews, Merlyn*	Methodology & Findings of the Federal Offenders Rehabilitation Project.
151-70	McDonald, Roslyn *	An Analysis of Some Factors on Recidivism of Youthful Offenders
152-70	Mathias, George *	Operational Evaluation of Automatic Alarm Systems
153-70	Bunting, John W.	Criminological Self-Analysis
154-70	Tosi, Oscar * Nash, Ernest	Operational/Technical Analysis of Voiceprint Technology
155-70	Kingston, Charles *	A National Criminalistics Research Program

ABSTRACTS AND SUMMARIES SUBMITTED

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(* Invited Authors)

NO,	AUTHOR	TITLE
156-70	Lewis, Frederick *	Evaluation of Prosecutors
157-70	Moylan, Charles E. *	Prosecution Problems
158-70	McConnell, Edward B.*	Court Administration
159-70	Cook, John C.	False Alarm Reduction In Surveillance Systems



Department of Justice

FOR IMMEDIATE RELEASE
FRIDAY, SEPTEMBER 12, 1969

Attorney General John N. Mitchell today said the National Institute of Law Enforcement and Criminal Justice will sponsor a nation-wide conference to seek new ways for science and technology to help meet the needs of the country's criminal justice system.

Mr. Mitchell said the meeting, the Third National Symposium on Law Enforcement Science and Technology, will be held from March 31 to April 2, 1970, at the Conrad Hilton Hotel in Chicago.

Some 1,000 persons from the nation's scientific and criminal justice communities are expected to attend, and about 100 papers relating to police, courts, and corrections will be presented at the meeting.

The National Institute is the research and development arm of the Law Enforcement Assistance Administration (LEAA).

Charles H. Rogovin, the LEAA Administrator, said the National Institute has awarded a \$33,149 contract to the IIT Research Institute of Chicago to plan and manage the conference.

Mr. Rogovin said that a letter inviting submission of papers will be mailed to several thousand persons later this month. It contains this note on the conference's purpose:

"To foster the application of science and technology to the criminal justice system by--1, Providing a professional forum for exchange of ideas and information; 2, Identifying the relevant capabilities of science and technology; 3, Fostering communication between the criminal justice and science and engineering communities; 4, Publication of proceedings."

Among the topics that may be covered by papers are: police management and operations (including illegal entry, weapons, community relations); operations research (including evidence statistics, prediction of crime); surveillance and detection (including systems analysis, sensors, security-intrusion systems, illegal entry vulnerability); legal process (including Constitutional provisions, technical evidence, anti-crime legislation); organized crime (including information systems, structure, strategy); special problem areas (including narcotics, civil disorders and riots, street violence, hijacking).

- 2 -

Those invited to the symposium will include scientists, engineers, technicians, policemen, court and corrections experts, and officials of state law enforcement planning agencies set up under the LEAA program.

The first two national symposiums, held in 1966 and 1967, were sponsored by the Office of Law Enforcement Assistance, the predecessor agency of LEAA. The Third Symposium will be open to the press.

Questions concerning submission of papers to the conference should be submitted to:

National Institute of Law Enforcement and Criminal Justice,
Law Enforcement Assistance Administration, U. S. Department of
Justice, Washington, D. C. 20530.

OR

IIT Research Institute, Law Enforcement Science and
Technology Center, 2024 West Street, Annapolis, Maryland 21401.

National Criminal Justice Reference Service

ncjrs

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Electronic Design, 4, February 15, 1970
Electronics, September 29, 1969

National Institute of Justice
United States Department of Justice
Washington, D. C. 20531

IITRI

IIT Research Institute
10 West 35 Street, Chicago, Illinois 60616
312/225-9630

March 13, 1970

M E M O

To: Editors, Radio & TV News Desks, City Desks, Science Writers
From: Milton E. Nelson, Public Information, Ext. 4314
Subject: THIRD NATIONAL SYMPOSIUM ON LAW ENFORCEMENT SCIENCE
AND TECHNOLOGY

You are cordially invited to attend this symposium, March 31, April 1 and 2, 1970 at the Conrad Hilton Hotel, Chicago. All sessions are open to the press. Papers and speakers may be found in the attached program.

Three plenary sessions will be held: Tuesday morning and Tuesday evening, March 31 and Wednesday morning, April 1. Four sessions will run concurrently Tuesday afternoon, Wednesday afternoon and Thursday morning and afternoon. The work sessions will treat the subjects as follows:

Tuesday afternoon

- Police Workshop: Police management / personnel selection / function and task analysis
- Corrections research
- Communications technology
- Courts and prosecution research

Wednesday afternoon

- Corrections workshop
- Police management and operations research
- Information system technology
- Investigative support technology

Thursday morning

- Criminal justice workshop
- Police management and operations research
- Command and control technology
- Criminalistics technology

Thursday afternoon

- Courts and prosecution workshop
- Police management and operations research
- Crime deterrence and security
- Criminalistics and support technology

Reprints or advance copies of papers are not available from this office. Some papers will be available to the press at the press room during the symposium. All symposium sessions are being held at the Conrad Hilton.

Members of the press may pick up registration material upon arrival at the symposium press room. No fee will be charged accredited press representatives to attend the working sessions.

Inquiries regarding press service should be directed to Milton E. Nelson, Public Information Office, IIT Research Institute, (312) 225-9630, Ext. 4314.

MEN/bam

Enclosure: Advance Program

(This symposium is supported by the National Institute of Law Enforcement and Criminal Justice, Law Enforcement Assistance Administration, United States Department of Justice and conducted by the Law Enforcement Science and Technology Center, IIT Research Institute.)



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- Chicago Tribune, Wednesday, April 1, 1970
- Chicago Sun Times, Wednesday, April 1, 1970
- Chicago Today, Thursday, April 2, 1970

National Institute of Justice
United States Department of Justice
Washington, D. C. 20531



UNITED STATES DEPARTMENT OF JUSTICE
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION

WASHINGTON, D.C. 20530

NATIONAL INSTITUTE OF LAW ENFORCEMENT
AND CRIMINAL JUSTICE

Henry S. Ruth, Jr.
Director

ANNOUNCEMENT

THIRD NATIONAL SYMPOSIUM ON LAW ENFORCEMENT
SCIENCE AND TECHNOLOGY

Sponsored by: NATIONAL INSTITUTE OF LAW ENFORCEMENT AND CRIMINAL JUSTICE

Location and Date: Chicago, Illinois; March 31, April 1, 2, 1970

PURPOSE: To foster the application of science and technology to the criminal justice system by:

- (1) providing a professional forum for exchange of ideas and information
- (2) identifying the relevant capabilities of science and technology
- (3) fostering communication between the criminal justice and scientific and engineering communities
- (4) Publication of proceedings.

PROGRAM: The program will consist of invited papers, contributed papers, and panel discussions in plenary sessions of general interest as well as specialized technical sessions.

IIT RESEARCH INSTITUTE

THIRD NATIONAL SYMPOSIUM ON LAW ENFORCEMENT SCIENCE AND TECHNOLOGY

IITRI Law Enforcement
Science & Technology
Center

CALL FOR PAPERS

Symposium Chairman
S. I. Cohn

Program Chairman
W. B. McMahon

Sponsored By: NATIONAL INSTITUTE OF LAW ENFORCEMENT AND CRIMINAL JUSTICE
U. S. Department of Justice

Date: March 31, April 1 and 2, 1970

Location: Conrad Hilton Hotel
Chicago, Illinois

PURPOSE To foster the application of science and technology to the Criminal Justice System by:

- (1) providing an annual professional forum for exchange of ideas and information
- (2) identifying the relevant capabilities of science and technology
- (3) fostering communication between the criminal justice and scientific and engineering communities
- (4) publication of proceedings.

SCOPE & CALL FOR PAPERS The scope of this symposium includes the entire Criminal Justice System, police, prosecution, courts and corrections. It will consist of sessions of invited and contributed papers plus several panel discussions.

Papers are requested in all four major criminal justice areas which relate to the application of science and technology. Papers may address problems, solutions, past research, possible research, requirements, demonstration projects, planning activities and other similar categories which are pertinent to the purpose of the symposium.

TENTATIVE TOPICS The following is a partial listing of topics related to the Criminal Justice System which will be covered if there is meaningful information available;

Police Management and Operations

Operations Research
Tactics
Community Relations
Riot Control
Mobility Systems
Target Harding
Selection and Training of Personnel
Information Systems
Communication Systems

Legal Process

Constitutional Provisions
Technical Evidence
Technical Systems
Anti-crime Legislation
Information Systems
Evidence Statistics

(over)

Special Problem Areas

Organized Crime
Narcotics
Riots & Civil Disturbances
VIP Protection
Hi-Jacking
Street Violence
Prediction of Crime
Pattern Analysis

Investigate Support Systems

Witness Identification
Resource Pooling
Investigative Aids
Criminalistics
Weapons
Vehicles
Communications

LEAA Programs

Policy & Procedures
Progress Reports

AUTHOR'S PROCEDURE

AUTHORS from all **CRIMINAL JUSTICE** areas and **SCIENTIFIC** and **ENGINEERING** disciplines are invited to submit papers on all aspects of technology associated with or relating to the problem areas of criminal justice. Papers reporting on **RESEARCH** or **NEW APPLICATIONS** will be emphasized although a limited number of tutorial papers will be admitted to the program. Time available for presentation of each accepted paper will be approximately 30 minutes.

An **ABSTRACT** of 75 words, and a **SUMMARY** of approximately 700 words, must be received by the Program Chairman no later than 21 November 1969. Five copies of each are requested. List the following information on a separate sheet: (1) full title of paper, (2) name of author(s), (3) title of author(s), (4) affiliations, (5) position(s), (6) mailing addresses(es), and (7) phone number(s). For review, send the above material to:

THIRD NATIONAL SYMPOSIUM ON LAW ENFORCEMENT SCIENCE AND TECHNOLOGY

IIT Research Institute
Law Enforcement Science & Technology Center
2024 West Street
Annapolis, Maryland 21401
Telephone - 301/268-7501

ABSTRACT DEADLINE - 21 NOVEMBER 1969

NOTE: The Proceedings of the Second National Symposium are available for \$10.00 from: IIT Research Institute, Law Enforcement Science & Technology Center, Attn: Special Affairs, P. O. Box 4963, Chicago, Illinois 60680.

State Planning Agencies

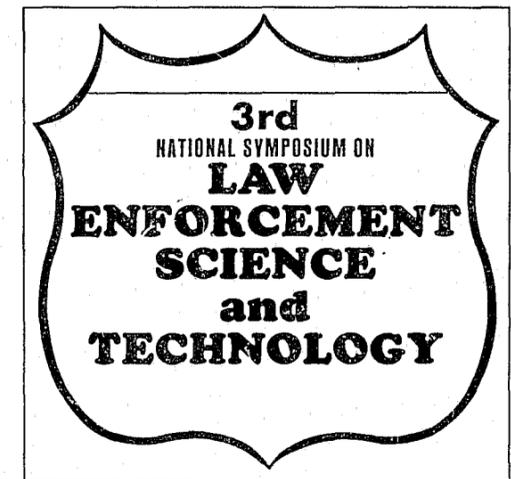
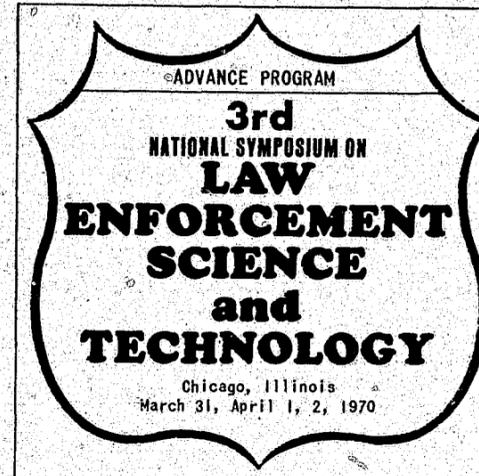
Progress Reports
State-Wide Information Systems
State-Wide Communications Systems
Crime Statistics
Man-Power Allocation

Surveillance & Detection

Systems Analysis
Sensors
Integrated Security Systems
Vehicle Surveillance
Intrusion Detection Systems
Activity Detection Systems

Corrections

Assessment of Programs
Information Systems
Re-integration Programs
Security Systems & Facility Design
Narcotic Rehabilitation Programs
Training Programs



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IIT Research Institute

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International Association of Chiefs of Police

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Rome Air Development Center

Charles Zmuda
Dade County Police Department

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IIT Research Institute

Milton Nelson, Publicity
IIT Research Institute

PURPOSE

The general purpose of the Third National Symposium on Law Enforcement Science and Technology is to encourage the application of both the physical and social sciences and technology to all aspects of criminal justice-- especially law enforcement, courts and corrections. More specifically, it hopes to provide a professional forum for the exchange of ideas and information, to help identify areas of the physical and social sciences that are relevant to criminal justice and to foster communication between the criminal justice and the scientific and engineering communities.

The program features invited and contributed papers. In addition, a new feature of this symposium will be the inclusion of four Workshop Sessions on Criminal Justice, the Police, Corrections and the Courts. These sessions are to be devoted to identifying particular problems in the criminal justice area and exploring possible avenues for solution. The remainder of the program will consist of concurrent sessions organized by areas of specialization. Time will be allowed in these sessions for discussion of technical papers.

LOCATION

The Third National Symposium on Law Enforcement Science and Technology is being held at the Conrad Hilton Hotel, Michigan Boulevard and 8th Street, Chicago, Illinois. An information desk and message center will be maintained on the third floor of the hotel, immediately adjacent to the meeting rooms, for the convenience of Symposium participants. Attendees can be reached by phone at the following number during the course of the Symposium: 312/922-4400, Parlor 1.

IIT RESEARCH INSTITUTE

REGISTRATION

Registration is open to members of federal, state, local and overseas criminal justice agencies; to scientists, engineers, and staff members of academic institutions; to the staffs of research, consulting and industrial organizations; and to personnel of government departments.

To register in advance of the Symposium, fill out the enclosed registration card and mail it with a check to: Special Affairs, IIT Research Institute, P.O. Box 4963, Chicago, Illinois 60680. PURCHASE ORDERS WILL NOT BE ACCEPTED.

The fee for prepaid registration is \$20; payment at the door will be \$25. The fee includes a copy of the Proceedings, which will be published several months after the Symposium and mailed to all attendees.

Door registration will be held at the Conrad Hilton Hotel on the evening of March 30, from 7:00 to 10:00 p.m. and throughout the day on March 31, April 1 and April 2.

HOTEL ACCOMMODATIONS

A block of rooms has been reserved at the Conrad Hilton Hotel, Michigan Boulevard and 8th Street, Chicago, Illinois, 60605. Attendees who wish to stay at the Conrad Hilton should use the accompanying hotel reservation card.

BANQUET

In connection with the Symposium, a banquet will be served at the Conrad Hilton Hotel, Wednesday, April 1, at 8:00 p.m.

Banquet reservations for attendees and their guests can be made in advance, or tickets can be purchased at the registration desk throughout the Symposium. The price of banquet tickets is \$15 per person. To assure yourself of a reservation, check the appropriate box on the registration card and send your banquet money along with this card.

SOCIAL HOUR

An informal get-together will be held in the Williford Room of the Conrad Hilton Hotel on Tuesday, March 31, from 9:00 p.m. following the Plenary Session. No reservations are required. A cash bar will be available.

TUESDAY MORNING, MARCH 31
9:30 a.m. - 12:00 p.m.

SESSION I

Chairman: S. I. Cohn
IIT Research Institute

Welcome: The Honorable Thomas F. Rallsback
United States House of Representatives
19th District of Illinois

Keynote Address:

**PLENARY SESSION: NATIONAL INSTITUTE OF LAW
ENFORCEMENT AND CRIMINAL
JUSTICE**

"The National Institute of Law Enforcement and
Criminal Justice"
Henry S. Ruth, Jr., Director

Panel Discussion: National Institute Staff
Members

TUESDAY AFTERNOON
1:30 p.m. - 4:30 p.m.

SESSION II-A

**POLICE WORKSHOP: POLICE MANAGEMENT/
PERSONNEL SELECTION/
FUNCTION AND TASK ANALYSIS**

Chairman: Robert M. Igleburger
Dayton, Ohio Police Department

Speakers: Charles Gain
Oakland, California Police Department

Robert Wasserman
Massachusetts State Planning Agency

James Kunde
Dayton, Ohio City Manager

Richard G. Hatcher
Mayor, Gary, Indiana

1:30 p.m. - 4:30 p.m.

SESSION II-B

CORRECTIONS RESEARCH

Chairman: John Conrad
National Institute of Law
Enforcement and Criminal Justice

"Psychological Effects of Long-Term Confinement"
Lawrence A. Bennett
California Department of Corrections

"Project Challenge: A Practical Training
Program"
Howard C. Wiechman
Portland Cement Association

"California Prisoners: A Statistical Analysis
to Aid Criminal Justice Policy Formulation and
Decision Making"
Steven E. Kolodney and Paul L. Patterson
Public Systems, Incorporated

IIT RESEARCH INSTITUTE

"Methodology and Findings of the Federal Offenders Rehabilitation Project"
Merlyn Mathews
Federal Offenders Rehabilitation Project
"An Analysis of Some Factors on Recidivism of Youthful Offenders"
Roslyn McDonald
New York Division for Youth
"The Role of Research in Corrections"
Keith S. Griffiths
California Youth Authority

1:30 p.m. - 4:30 p.m.

SESSION 11-C

COMMUNICATIONS TECHNOLOGY

Chairman: Frank C. Pethe
IIT Research Institute

"Spectrum Requirements of the Police Radio Service in an Extended Metropolitan Area"
Bernhard Ebstein, Janis Church, et al
IIT Research Institute

"Modulation Techniques Investigation to Enhance Communication Channel Utilization"
Bernard Mitchell and Francis P. Cullin
Sanders Associates, Incorporated

"Three Years of Living with PREP"
Edward T. Walsh
Detroit Police Department

"New Concepts in Portable Radio Communication Systems"
Robert K. Roenitz
Motorola, Inc.

"Milwaukee Mobile Teleprinter Test Results and Cost Effectiveness Evaluation"
E. Ray Knickel and Sue Johnson
Capital Scientific Corporation
Kenneth Smith
Telcom, Incorporated

"A Look into the Future of Police Communications"
Walter Key
National Institute of Law Enforcement and Criminal Justice

1:30 p.m. - 4:30 p.m.

SESSION 11-D

COURTS AND PROSECUTION RESEARCH

Chairman: Edward B. McConnell
State of New Jersey Courts Administration

"Court Administration"
Edward B. McConnell
State of New Jersey Courts Administration

"Evaluation of Prosecutors"
Frederick Lewis
University of Miami Law School

"Problems of the Prosecutor"
Charles E. Moylan
Baltimore, Maryland States Attorney

"Rehabilitative Planning Services for the Criminal Defense"

Leonard Zeitz
Georgetown University Institute of Criminal Law and Procedure

"A Feasibility Study of Offender Participation in Juvenile Court Decisions"
Omar Buchwalter and Dian P. Callaghan
Research Analysis Corporation

"Information and Document Flow in Criminal Case Processing: Where Can We Improve?"
Terrance E. Swanson
Indiana University

TUESDAY EVENING

7:30 p.m. - 9:00 p.m.

SESSION III

PLENARY SESSION: LAW ENFORCEMENT ASSISTANCE ADMINISTRATION PROGRAM

Chairman: William B. McMahon
IIT Research Institute

"Improvements in Criminal Justice - More of the Same?"

Charles H. Rogovin, Administrator
Law Enforcement Assistance Administration

Question and Answer Period

9:00 p.m. SOCIAL HOUR

WEDNESDAY MORNING, APRIL 1

9:00 a.m. - 12:00 p.m.

SESSION IV

Opening Address: "The Police Role"
Quinn Tamm
International Association of Chiefs of Police

PLENARY SESSION: THE "TECHNOLOGY" OF BLOCK GRANTS: OLD WINE IN NEW BOTTLES

Chairman: George B. Trubow
Office of Law Enforcement Programs

"General Overview of Fund Availability under the Block Grant Program"
Richard Velde and Clarence Coster
Associate Administrators,
Law Enforcement Assistance Administration

"What Role for Research and Development in State Planning and Action Efforts?"

Daniel L. Skoler, Director
Office of Law Enforcement Programs

"The State's View of Consultant Services to State Law Enforcement Planning Agencies"
Neil Lamont
Louisiana State Planning Agency

"The Role for Consultants in State and Local Planning"

John Carden
Ernst & Ernst

PANEL DISCUSSION

IIT RESEARCH INSTITUTE

WEDNESDAY AFTERNOON

1:30 p.m. - 4:30 p.m.

SESSION V-A

**CORRECTIONS WORKSHOP: CONFINEMENT FACILITY
PLANNING AND DESIGN
OR "WHAT'S IN A
PRISON?"**

Chairman: John Galvin, Administrator
Oregon Department of Corrections

Speakers: Allen Breed
California Youth Authority

Peter Benziger
Illinois Department of Corrections

Gary Mote
Federal Bureau of Prisons

Paul Kalin
National Council on Crime and
Delinquency

Ronald Goldfarb
Attorney-at-Law

Sim Van der Ryn
University of California

Harold Cohen
Institute for Behavioral Studies

Hans Mattick
Chicago University Law School

William Griffin
New York State Narcotic Addiction
Control Commission

1:30 p.m. - 4:30 p.m.

SESSION V-B

POLICE MANAGEMENT AND OPERATIONS RESEARCH

Chairman: Fred Ferguson
Covina, California Police Department

"The Covina Police Department Adopts a
Professor: A Lesson in Role Ambiguity"
Paul M. Whisenand
California State College at Long Beach

"Teens on Patrol, A New Approach to Police
Communication into the Inner City"
Thomas F. Hastings
Rochester Police Bureau

"Student and the Law - The Challenge of Our
Time"
Peter J. Pitchess
County of Los Angeles

"Procedural Approaches to Outside Employment
Activities in Police Agencies"
Clarence M. Coster
Law Enforcement Assistance Administration

"Psychological Predictors and Patterns of
Patrolman Field Performance"
John Furcon, Ernest Froemel and
Melany E. Baehr
University of Chicago

"Design for Conflict Resolution"
Morton Bard and Joseph Backer
City University of New York

1:30 p.m. - 4:30 p.m.

SESSION V-C

INFORMATION SYSTEM TECHNOLOGY

Chairman: Donald King
Florida Crime Information Center

"Project SEARCH - System to Electronic Analysis
and Retrieval of Criminal Histories"
Paul K. Wormeli
California Crime Technological Research
Foundation

"A Comprehensive Public Safety Information
System"
J. Ward Wright and Daniel E. Eisenberg
Auerbach Corporation

"Digest: A Computerized Statistical Information
System for Criminal Justice Planning and Fund
Allocation"
Steve E. Kolodney and Robert L. Marx
Public Systems Incorporated

"Designing a Work Plan for the Conversion and
Automation of Law Enforcement Master Name Files"
Bryon D. Mills
Pharos Systems Incorporated

"A Computer/Microfilming Automated Records and
Identification Concept-A New Application"
William L. Reed
Florida Department of Law Enforcement

"The Analysis of Criminal Justice Data by an
Array Reordering Technique"
William T. McCormick, Jr. and
Arthur Q. Kresse
Institute for Defense Analyses

1:30 p.m. - 4:30 p.m.

SESSION V-D

INVESTIGATIVE SUPPORT TECHNOLOGY

Chairman: Arthur J. Allenburg
IIT Research Institute

"Evaluation of Helicopter Patrols"
Elliot P. Framan
Jet Propulsion Laboratory
Robert Gaunt
Los Angeles Police Department

"Night Surveillance Systems for Law Enforcement"
R. G. Stoudenheimer
RCA Electronics Components

"ACACIA - A System for Automating Content and
Critical Incident Analysis"
William W. Herrmann
Systems Development Corporation

"A Proposed Solution to the Problems Related to
Present Day Personal Appearance Systems"
Richard Johnson
New York State Identification and
Investigation System

IIT RESEARCH INSTITUTE

"The Evaluation of Automatic License Plate Scanning Systems"
 Brian Keenan, Kenneth Kerin, et al
 IIT Research Institute
 Edward DeFranco
 New York State Identification and Investigation System

"The Efficacy of TV and Still Photography as Identification Media"
 Donald E. Sussman, R. C. Sugarman, and A. Zavala
 Cornell Aeronautical Laboratory
 James J. Paley
 New York State Identification and Investigation System

WEDNESDAY EVENING, APRIL 1

7:00 p.m. SOCIAL HOUR
 8:00 p.m. BANQUET

THURSDAY MORNING, APRIL 2

9:00 a.m. - 12:00 p.m.

**SESSION VI-A
 CRIMINAL JUSTICE INFORMATION SYSTEMS
 WORKSHOP: PLANNING AND IMPLEMENTATION**

Chairman: Robert R. J. Gallati, Director
 New York State Identification and Investigation System

Speakers: Peter Preiser
 New York Governor's Special Committee on Criminal Offenders

Donald King
 Florida Crime Information Center

Carl Vorlander
 President of the National Association of State Information Systems

Thomas Trimbach
 Michigan Commission on Law Enforcement

William Herrmann
 Systems Development Corporation

Patrick Murphy
 Detroit Police Department

9:00 a.m. - 12:00 p.m.

**SESSION VI-B
 POLICE MANAGEMENT AND OPERATIONS RESEARCH**

Chairman: Samuel Chapman
 University of Oklahoma

"Management Development Program of the Los Angeles Police Department"
 Allen T. Osborne and Charles Sale
 Los Angeles Police Department

"Responsibilities of Universities to the Criminal Justice System"
 J. P. Morgan
 University of Georgia

"A New Concept in Police Training"
 Ritchie T. Davis and William L. Charon
 Michigan State Police Department

"Criminal Justice as a College Baccalaureate Degree"
 Carl W. Hamm
 International Association of Chiefs of Police

"Guerilla Warfare in the United States: New Myths and Old Realities"
 Joseph F. Coates
 Institute for Defense Analysis

"Looting and Property Norms: Their Patterns in Community Disasters and Disturbances"
 E. L. Quarantelli and Russell R. Dynes
 Ohio State University

9:00 a.m. - 12:00 p.m.

**SESSION VI-C
 COMMAND AND CONTROL TECHNOLOGY**

Chairman: Carl Miller
 Chicago Police Department

"Automated Command and Control Dispatch System"
 Sam S. Anzelmo
 Sylvania Electronic Systems

"Field Testing of an Automatic Vehicle Monitoring System"
 Jerome Zauderer
 Hazeltine Corporation

"Rochester Police Bureau Communications Study"
 Alfred W. LaBeouf
 General Dynamics Electronics Division

"Police Message and Status Reporting System"
 Chandos A. Rypinski
 Rydax, Incorporated

"Police Information-Communications Network: A System's Analysis View"
 Robert J. Rieder
 North American Rockwell Information Systems Company

"A Computerized National Law Enforcement Communications System"
 Claud T. Smith
 UNIVAC Division of Sperry Rand

9:00 a.m. - 12:00 p.m.

**SESSION VI-D
 CRIMINALISTICS TECHNOLOGY**

Chairman: James Osterburg
 Indiana University

"A National Criminalistics Research Program"
 Charles Kingston
 John Jay College of Criminal Justice

"The Real Technological Needs of the Criminalistics Operation"
 Paul L. Kirk
 Paul L. Kirk and Associates

"Evaluation of Forensic Laboratory Practices"
 Paul Rosenthal and David K. Plummer
 Cornell Aeronautical Laboratory

"Research and Development Needs in Criminalistics"
Lowell W. Bradford
Santa Clara County District Attorney's Office
Arych H. Samuel
Stanford Research Institute

"Systems Analysis and the Crime Laboratory"
Walter R. Benson, John E. Stacy, and Joseph D. Nico
Midwest Research Institute

"The State-of-the Art of Micro Technology in the Identification of Sub-Groups of Genetic Variations in Dried Blood"
Alexander Joseph
John Jay College of Criminal Justice

THURSDAY AFTERNOON, APRIL 2

1:30 p.m. - 4:00 p.m.

SESSION VII-A

COURTS AND PROSECUTION WORKSHOP **USE AND ABUSE OF EMPIRICAL RESEARCH**

Chairman: Paul Nejelski
National Institute of Law Enforcement and Criminal Justice

Speakers: William A. Sullivan
Circuit Court of Wayne County, Michigan

Lynn Compton
Los Angeles County Deputy District Attorney

John Locke
National Bureau of Standards

Dallin H. Oaks
University of Chicago Law School

John F. X. Irving,
Illinois Law Enforcement Commission

1:30 p.m. - 4:00 p.m.

SESSION VII-B

POLICE MANAGEMENT AND OPERATIONS RESEARCH

Chairman: Ronald D. Smith
International Association of Chiefs of Police

"Simulation of Police Field Forces for Decision Making in Resource Allocation"
Ronald T. Adams
Sylvania Electronic Systems

"The Design and Evaluation of Police Experiments"
Charles W. N. Thompson and Gustave J. Rath
Northwestern University

"Allocation of Resources in the Chicago Police Department"
Albert M. Bottoms
Urban Systems Research and Engineering, Inc.
David G. Olson
Northwestern University
Ernest K. Nilson
Insurance Institute for Highway Safety

"Experimental Evaluation of the Crime Control Team Organization Concept"
J. F. Elliott
General Electric Company
John F. O'Connor and Thomas J. Sardino
Syracuse Police Department

"Computerized Organized Crime Intelligence System"
Edward J. DeFranco
New York State Identification and Investigation System
Melvin Bers
State University of New York

1:30 p.m. - 4:00 p.m.

SESSION VII-C

CRIME DETERRENCE AND SECURITY

Chairman: William Wolber
Rome Air Development Center

"The Role of the Testing Laboratory in the Evaluation of Surveillance Detection Equipment"
George W. Saunders
Underwriters' Laboratories

"A Model Perimeter Detection System Federal Youth Center, Ashland, Kentucky"
W. D. Drumheller
Westinghouse Electric Corporation
C. A. Ferguson
U.S. Department of Justice - Bureau of Prisons

"Utilization of Electronic Surveillance Equipment in Crime Countermeasures"
Samuel W. Daskam
F. G. Mason Engineering, Inc.

"VIP Protection"
William W. Herrmann
Systems Development Corporation

"Operational Evaluation of Automatic Alarm Systems"
George Matias
Cedar Rapids Police Department

1:30 p.m. - 4:00 p.m.

SESSION VII-D

CRIMINALISTICS AND SUPPORT TECHNOLOGY

Chairman: Joseph Nico
University of Illinois

"The Visualization of Fingerprints from Living Human Skin by Using X-Ray Techniques"
Arthur L. Cunn
Nassau County Police Department

"Operational/Technical Analysis of Voiceprint Technology"
Ernest Nash
Michigan State Police
Oscar Tosi
Western Michigan University

"Physical Evidence Utilization"
Brian Parker
University of California

"Future Use of Computers and Other Devices in
Death Investigation"
George E. Gantner, Jr.
St. Louis University School of Medicine
"The Application of Aerospace Technology to
Law Enforcement Problems"
Robert Hand, et al
IIT Research Institute
A. Samuels, W. Thuman
Southwest Research Institute

IIT RESEARCH INSTITUTE

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ON LAW ENFORCEMENT SCIENCE AND TECHNOLOGY - IITRI
THE CONRAD HILTON HOTEL, CHICAGO, ILLINOIS
MARCH 31 - APRIL 1-2, 1970

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IIT RESEARCH INSTITUTE
P.O. BOX 4963
CHICAGO, ILLINOIS 60680

ERRATA SHEET

SESSION I: - Tuesday Morning, March 31

Welcome - the Honorable Thomas F. Railsback, United States House of Representatives, 19th District of Illinois, will be unable to attend.

Keynote Address - will be presented by the Honorable Clark MacGregor, Congress of the United States, House of Representatives, 3rd District of Minnesota

SESSION II-A: - Tuesday Afternoon, March 31

Speakers:

Mayor Richard T. Hatcher, Mayor, Gary Indiana will be unable to attend this Session.

Mr. William Dowers, Commissioner Public Safety, Massachusetts, will participate as a Speaker in this Session.

SESSION V-A: - Wednesday Afternoon, April 1

Mr. Sim Van der Ryn, University of California will be unable to attend this Session as a Speaker.

Mrs. Ronald Goldfarb, Architect, will participate as a Speaker in this Session.

Mr. Bernhard Kramer, Secretary, will represent the New York State Narcotic Addiction Control Commission in the place of Mr. William Griffin, Director.

SESSION V-B: - Wednesday Afternoon, April 1

Cancellations: "Teens on Patrol, A New Approach to Police Communication into the Inner City"
Thomas F. Hastings
Rochester Police Bureau

SESSION V-B - Continued:

Cancellations: "Student and the Law - The Challenge of Our Time"
Peter J. Pitchess
County of Los Angeles

SESSION V-C: - Wednesday Afternoon, April 1

Cancellations: "Digest: A Computerized Statistical Information System for Criminal Justice Planning & Fund Allocation"
Steve E. Kolodney and Robert L. Marx
Public Systems Incorporated

"The Analysis of Criminal Justice Data by an Array Reordering Technique"
William T. McCormick, Jr. and
Arthur Q. Kresse
Institute for Defense Analyses

Addition: "Plotter Analysis of Traffic Data"
John Carnaghi and J. Thomas McEwen
St. Louis Police Department

BANQUET: The Speaker for the Banquet will be Attorney General John N. Mitchell.

CONTINUED

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IIT RESEARCH INSTITUTE

CRIMINAL JUSTICE WORKSHOP

INFORMATION SYSTEMS PLANNING AND IMPLEMENTATION

PHASE	PROBLEM IDENTIFICATION	PROBLEM DEFINITION	TECHNOLOGY IDENTIFICATION	PROBLEM & SOLUTION MATCHING
SUBJECT	Discussion will concern the identification of the requirements and needs of each facet of the Criminal Justice system (law enforcement, courts & prosecution, courts & corrections). Highlight the administrative and management problems envisioned in its implementation and the economic justifications required. Should separate systems be set up with the ability of one type of user to have access to other users information or should a common system be employed satisfying all users?	Define specific information requirements of various criminal justice elements (agencies) and what they require--accessability requirements, security requirements, common data and storage requirements, as well as network requirements.	Discussions on state-of-the-art of information retrieval systems pointing out new features on the third generation computer capability such as time sharing, large mass random access features, information displays, etc.	Discussion of the need and means of interdisciplinary design cooperation between the administrators, planners, computer specialists, in order to meet goals.
SPEAKERS	Senior Criminal Justice Administrators	Criminal Justice Data Systems Operators	Computer Technologists	Panel/Operation Technologists

COURTS & PROSECUTION WORKSHOP

USE & ABUSE OF EMPIRICAL RESEARCH

PHASE.	PROBLEM IDENTIFICATION	PROBLEM DEFINITION	TECHNOLOGY IDENTIFICATION	PROBLEM & SOLUTION MATCHING
SUBJECT	<p>This phase will identify the present functions performed by the prosecution and the court. It will also review the present status of our courts relative to performing the required functions. The prime problem areas where research (empirical or otherwise) might be applied will be outlined.</p>	<p>This phase will address specific problem areas such as; information voids, records control, docket management, defendant control, witness control, etc. It will outline the basic needs of the problems and discuss the levels of detail required. Political, bureaucratic and social requirements and their respective limits along with the decision making chain will be addressed.</p>	<p>This phase will define empirical research and identify those limits which could possibly improve the legal process. Costs and the practical and theoretical limits of research will be outlined. Examples of past empirical research will also be discussed by technologists.</p>	<p>This phase will address the various discussed needs and limitations of our present court system and how research can be applied. It will address such points as who should conduct research?; is justice effected by research?; what part can research play in this portion of the criminal justice system?; etc.</p>
SPEAKERS	Judges & Prosecutors	Court Managers, Judges, & Prosecutors	Legal Researchers & Social Scientists & Technologists	Judges, Prosecutors, & Researchers

CORRECTIONS WORKSHOP

CONFINEMENT FACILITY PLANNING AND DESIGN OR "WHAT'S IN A PRISON"

PHASE	PROBLEM IDENTIFICATION	PROBLEM DEFINITION	TECHNOLOGY IDENTIFICATION	PROBLEM & SOLUTION MATCHING
SUBJECT	<p>The discussions will center on the identification of the required levels of confinement from overnight lock-ups to life imprisonment. They will outline the criteria for the establishment of different levels of facilities such as; length of sentence, offense, mental or physical condition, jurisdiction, etc.</p>	<p>Definition of goals and needs of each level of confinement based upon criteria developed in Phase I. Sets of requirements should be developed to meet the needs of each level.</p> <p>They will be responsive to functions to be performed such as; punishment, rehabilitation, human management, medical, mental and physical needs of those confined.</p>	<p>Discussion in this phase will center on the basic social science problems and how they can be solved by assistance from the hard sciences. This should involve both the social and physical scientists.</p>	<p>Discussion of the need and means of inter-disciplinary design cooperation between the administrators, planners, social scientists and physical scientists in order to meet goals.</p>
SPEAKERS	<p>Corrections Directors/Wardens/Prison Administrators</p>	<p>Corrections Operations/Social Scientists</p>	<p>Social and Physical Scientists/Technologists</p>	<p>Panel Operations/Technologists</p>

POLICE WORKSHOP

POLICE MANAGEMENT/PERSONNEL SELECTION/FUNCTIONS & TASK ANALYSIS

PHASE	PROBLEM IDENTIFICATION	PROBLEM DEFINITION	TECHNOLOGY IDENTIFICATION	PROBLEM & SOLUTION MATCHING
SUBJECT	This phase will outline the present operations and functions of law enforcement agencies, The emphasis will be on the identification of the functions required of law enforcement as seen by different groups (mayor, police chief, etc.)	This phase will concern itself with the tasks associated with the identified functions and the determination of the criteria for matching people with tasks. It will address such thoughts as; are policemen made or born? should an officer be a 'jack of all trades'?	This phase will discuss new methods and systems for determining job functions and task analysis. Emphasis will be put on the methodology and staffing required for task analysis rather than specific solutions for police.	The emphasis in this panel discussion will be on the practical means of matching new techniques with the operational requirements of the police. Actual cases may be set forth as examples.
SPEAKERS	Mayors/Police Commissioner/Police Chiefs	Police Personnel Officers/Operations Officers	Operations Research/Social Scientists	Panel Management/Operations Research/Social Scientists

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