

CANCER OF THE LUNG DISCOVERED IN 1971 (10 CASES) (Cont'd.)

<u>Study No.</u>	<u>X-Ray Shadows Detected</u>	<u>Remarks</u>	<u>Lung Surgery</u>	<u>Present Status</u>
2A-747	Not found by us.	CO-60 therapy.	11/70 Thera- ectomy.	Died 9-5-71.
3A-70	Not found by us.		5/71 left pneumonectomy.	Working.
1B-2545	Not found by us.	Cobalt therapy.	9/71 Thera- ectomy.	Died 12-2-71.
13B-402	Not found by us.	Cobalt therapy.	Scalene node biopsy.	Died 12-6-71.
1BW-108	Survey 8/71		12/71 Sternotomy.	At home.
2H-1019	Preplacement 9/71.		Lobectomy.	Term. 10/71.
3K-712	Survey 3/71.		Lobectomy.	Term. 9/71, died 11/71.
3K-2276	Survey 1/71.	X-Ray therapy.	3/71 biopsy.	Off sick.
3N-585(P)	Not found by us.	Last x-ray 1959.		Died 3-26-71.
4R-3(P)	Not found by us.	Last x-ray 1960.		Died 6-3-71.

CANCER OF THE LUNG BY YEARS.

<u>Year</u>	<u>No. of Cases</u>	<u>Year</u>	<u>No. of Cases</u>	<u>Year</u>	<u>No. of Cases</u>
1948	1	1956	11	1964	11
1949	3	1957	12	1965	5
1950	4	1958	4	1966	13
1951	9	1959	4	1967	14
1952	9	1960	6	1968	14
1953	8	1961	7	1969	16
1954	7	1962	10	1970	10
1955	6	1963	10	1971	10
Sub-totals: 47		64		93	

Total Cases: 204
Less - 6 (removed as non-cancerous)
Adjusted Total: 198

ABX

11.14.5

CONFIDENTIAL
MEDICAL DEPARTMENT - REPORT OF ACTIVITIES
JANUARY 1, 1971 TO JANUARY 1, 1972
CONFIDENTIAL
INFORMATION

Original: Mr. D. E. Vande
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C.C. Blackwell, Jr., M.D.
Mr. C. H. Berchard, Jr.
Medical Dept. File

005382

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M E D I C A L D E P A R T M E N T

A REPORT OF ACTIVITIES FROM JANUARY 1, 1971 TO JANUARY 1, 1972

GENERAL

The Medical Department activities in general were quite similar to those in recent years. Mounting surveillance by local, state and federal agencies resulted in increased emphasis on in-plant employee health consciousness. Many plants have requested additional assistance on troublesome problems relating to the plant and its workers. As a consequence of this, our plant managements are more cognizant of the detailed inter-relationships between our employees, work processes, and possible resultant occupational injuries and diseases.

The Occupational Safety and Health Act has certainly in its brief existence had a most profound effect on industry and has pointed out the need for vastly increased responsibilities at many levels. There has been increased liaison between all groups in Abex charged with the successful implementation of O.S.H.A. The Medical Department together with the Safety and Industrial Hygiene sections is trying to provide all possible assistance to the plants.

As of 3-1-71 Abex had a new carrier to handle its workmen's compensation insurance, The Travelers Insurance Companies. Travelers promised to provide all of the coverage, services and assistance which had been given by the Liberty Mutual Insurance Company, the former carrier. We have encountered much difficulty in trying to establish the program. Some progress has been made. Periodic meetings have continued and many more will be required.

GENERAL (Cont'd.)

We shall make every effort to resolve the difficulties so that Travelers may provide the same type of coverage which we had with Liberty Mutual at the earliest possible date. Thus far Travelers' main strength of support for us appears to be in the safety field.

INDUSTRIAL NURSING PROGRAM

The following changes in nursing personnel occurred during 1971:

Denison - Columbus: Miss Terry Trone, R.N. terminated her employment the end of January 1971 and was replaced by Mrs. Lois Wilhelm, R.N., whose name was changed by remarriage during the year to Mrs. Lois Gibboney. Mrs. Gibboney terminated on 10-29-71. The present nurse is Mrs. A. Belle Walsh, R.N., who was reemployed after being laid off on 8-15-70. She was the night-shift nurse at the Denison, Delaware plant.

Wellman - Bedford: Mrs. Marie Pratus, R.N. terminated 7-15-71 and Mrs. Vivian Scholz, R.N., the nurse on the second shift, was the only nurse at the plant and working the day shift. In September 1971 the Wellman plant at Bedford was sold to the Brush Beryllium Company.

Aerospace - Montreal: Miss Gisele Gauthier, R.N. terminated in August 1971 and was not replaced. This facility was sold by Abex.

Ameco - Chicago Heights: Mrs. Ellen Stump, R.N. terminated on 9-10-71 and Mrs. Floretha W. Bugg, R.N. was hired on 10-1-71 as her replacement.

EPD - Madina: Mrs. Viola O'Brien, R.N. retired on 12-1-71 after 19 years of service. Her replacement, Mrs. Susan S. Wahlstrom, R.N. was hired on 10-1-71.

INDUSTRIAL NURSING PROGRAM (Cont'd.)

RPC - Buffalo: Mrs. Mary Meff, R.N., the industrial nurse for the Track-work plant terminated when the Buffalo plant closed on 3-31-71. The Brake Shoe plant had closed in 1970.

The Abex nurses are being required to complete an increased amount of paper work as a result of activities relating to O.S.H.A. Many of our nurses have completed courses on audiometry since preplacement audiograms are so necessary. Audiograms are also being performed by our nurses on the existing employees who are exposed to significant noise on an annual basis.

MEDICAL SERVICES

During 1971 the following changes occurred in plant physicians:

RPC - Baltimore: Dr. Reque informed the plant in January 1971 that he would no longer be practicing medicine in the Baltimore area effective 3-1-71. Arrangements were made with Dr. Anselmo Mamaril, 1719 Kutarv Place, Baltimore, Maryland 21217, to perform survey physical examinations at the plant. The Southwest Industrial Medical Center will continue to do the preplacement medical examinations.

Denison - Columbus: Dr. F. M. Shillito, one of the medical examiners for executive physical examinations in this area retired in June 1971, and Dr. Richard L. Fulton at the Columbus Medical Center, 1211 Dublin Road, Columbus, Ohio 43215 was contacted to perform some of the executive check-ups for the Denison Division.

MEDICAL SERVICES (Cont'd.)

Brakeblek - Cleveland: Arrangements were made in July 1971 with Dr. R. Kurup, 6750 Biddulph Road, Cleveland, Ohio, as an alternate to our plant physician, Dr. Donald E. Seymour.

EPD - Mahwah: Dr. Beers, the plant physician died in August 1971. He has been replaced by Dr. A. H. Marvisch, 8 E. Ramapo Avenue, Mahwah, N.J. 07430.

MEDICAL DEPARTMENT PERSONNEL

The following changes occurred in the Medical Department personnel during 1971:

Mrs. Ella Price, Industrial Hygiene Secretary, terminated in January 1971. She was replaced by Miss Jo Ann Fenton, who was terminated in February 1971. Mrs. Mildred Calka was hired as a replacement on 3-4-71 and terminated on 5-31-71. Mrs. Eleanor Jaskunas was hired on 4-5-71 as a Clerk Typist and was moved to Industrial Hygiene Secretary on 6-3-71.

Mrs. Dorothy Grups, Clerk Typist, was placed on a T&P Disability effective 6-10-71. Her replacement is Miss Vivian Thomas who was hired on 6-3-71. George Janousek, janitor, terminated on 3-31-71 to retire to Arkansas, and he was replaced by Walter Petermann, who was hired on 4-5-71. Mrs. Therese Jatras, Clerk Typist for the Loss Prevention and Claims Department, terminated on 5-21-71 and Miss Diane Klemens was hired on 5-27-71 to replace her. Fred Szum was hired on 7-6-71 as Industrial Hygiene Associate. Fred Stanley, Industrial Hygienist, terminated on 12-10-71 to take a position with the Government in Huntsville, Alabama.

MEDICAL DEPARTMENT PERSONNEL (Cont'd.)

The following is our present work force:

Dr. C. C. Blackwell, Jr.	Medical Director
Charles H. Bercharding, Jr.	Manager, Ind. Hygiene/Loss Prevention
Fred T. Srum	Industrial Hygiene Associate
Robert W. Hansen	Office Manager
Leo B. Martin	Supervisor, Loss Prevention
Jerry A. Lange	Claims Manager
Herbert F. Johnson	X-Ray Technician
Nina Perniconi	Secretary to Dr. Blackwell
Eleanor Jaskunas	Industrial Hygiene Secretary
Patricia Emery	Chief Typist Clerk
Vivian Thomas	Clerk Typist
Diane Klemens	Clerk Typist
Mahmoud Desouky	Laboratory Technician
Walter Petermann	Janitor

OPERATING COSTS OF MEDICAL DEPARTMENT - 1971

	<u>1971</u>	<u>1970</u>
Salaries (not included)		
Travel Expense	\$18,447.39	\$15,373.08
Janitor Supplies	180.47	79.55
Hygiene Laboratory		
Expenses	3,735.14	1,665.12
New Equipment	1,872.75	376.77
Repairs	206.56	324.20
Bus X-Ray Unit		
Film, Gas, Oil, etc.	2,142.75	2,106.36
New Equipment	—	—
Repairs	665.08	215.56
Office Supplies	5,324.40	5,365.24
New Equipment	404.23	—
Postage	1,390.96	1,106.42
Telephone and Telegraph	4,445.29	3,251.87
Association Dues	572.00	467.00
Subscriptions & Publications	635.95	64.00
Employee Medical Expense	134.50	234.50
Miscellaneous	218.68	102.15
Safety & Compensation Dept.		
General Expenses	137.15	2,173.34
New Equipment	—	2,192.00
Total:	\$40,533.32	\$35,297.16

PLANT VISITS BY DR. BLACKWELL - 1971

During 1971, 14 visits were made to 14 plants whereas in 1970, 11 visits were made to 11 Abex facilities. The following plants were visited in 1971:

<u>Division</u>	<u>Plant</u>
Amsco	Chicago Heights Denver St. Louis Two Harbors
Amsco- Joliet	Selkirk
Brakeblok	Cleveland
KPD	Elyria Mahwah
KPG	Calera Chicago Heights Denver W. Kansas City Pueblo Superior

EMPLOYEES INTERVIEWED REGARDING CHEST X-RAYS

<u>Date</u>	<u>Division & Plant</u>	<u>Study No.</u>	<u>Name</u>
1-22-71	RPG - Calera	10S-435	Bobby G. Knowles
4-27-71	Amsco - St. Louis	2A-18	Fred E. Peters
		-93	Doris Branson
		-146	Fred E. Prince
		-437	Earl J. Altmeyer
		-481	Herman H. Thoman
		-500	Carl Cook
		-576	Arthur L. Bishop
		-590	Theodore Deranja
		-596	Gerald E. Paul
		-598	Herbert H. Napier
		-1009	Jacob Moore
		-1170	Odell Garrett
		-1226	Dexter Head
		-1269	Elmer Boden
		-1348	Walter Johnson
		-1357	John L. Garrett
		-1401	Beck Wells

EMPLOYEES INTERVIEWED REGARDING CHEST X-RAYS (Cont'd.)

<u>Date</u>	<u>Division & Plant</u>	<u>Study No.</u>	<u>Name</u>	
4-27-71	Ameco - St. Louis (Cont'd.)	2A-1535	E. Robert Mudrovic	
		-1793	John Pilcic	
		-2068	Everett W. Conway	
		-2246	Dewey Smith, Jr.	
6-11-71	Ameco - Chicago Heights	1A-87	Edward F. Budzik	
6-29-71		-102	John W. Bystrzycki	
8-11-71		-104	Gerard Caffarelli	
		-121	Roy L. Carlson	
		-136	Odas S. Cockrum	
		-137	Dominic Codini	
		-159	Camillo Cosenza	
		-185	Frank De Francesco	
		-189	Anthony De Lorenzo	
		-285	Paul M. Cossage	
		-334	Anthony Jones	
		-369	Edward Kowalski	
		-407	Curtis E. Lauer	
		-414	Rocco Leli	
		-448	Theodore J. Malaski	
		-467	Dominic Marinucci	
		-481	Loren Mats	
		-513	William W. Moore	
		-537	Joseph A. Natale	
		-628	Nicholas Quigley	
		-639	Arthur Rekau	
		-753	Phillip Q. Stracci	
		-760	George Tattersall	
		-764	Santo S. Termini	
		-804	Wesley T. Wedgbury	
		-807	Floyd F. Waier	
		-986	Peter Cucci	
		-997	Ray A. Larson	
		-1063	Joseph J. Sanfratello	
		-1161	Cecil D. Cheney	
		-1208	Frank De Angelo	
		-1284	Elmer H. Wehling	
		-1455	Johnnie Johnson	
		-1602	Frank D. Wojcik	
		-1681	Howard Perkins	
		-1697	Emmett Parker	
		-1757	William Baikauskas	
		-1981	Napoleon Bell	
		-2046	Robert F. Fanello	
		-2130	Chrisilla Cornelius	

EMPLOYEES INTERVIEWED REGARDING CHEST X-RAYS (Cont'd.)

<u>Date</u>	<u>Division & Plant</u>	<u>Study No.</u>	<u>Name</u>
6-11-71	Ameco - Chicago Heights (Cont'd.)	1A-2210	William C. Scott
6-29-71		-2352	Lloyd Williams
8-11-71		-2381	W. B. Asher
		-2456	Basilio Gamboa
		-3014	Leon Marasalek
		-3733	Pedro Bustos
7-14-71	EPD - Elyria	E-222	John Ranker
		-233	William Weigl
		-893	Homer L. Brady
		-1099	Thomas A. Kasmierczak
10-20-71	EPD - Mahwah	1B-307	John Spiech
11-11-71	Ameco - Denver	3A-65	John DeLeon
		-936	A. B. Maxey
		-1298	Abe J. Montoya
		-1320	Leopoldo Atencio
		-1374	*Cesarito Rodriguez
		-1596	*Guss Lockhart, Jr.

* These two men were not available during my visit so the local nurse interviewed them later and showed them their chest x-rays.

EMPLOYEE RETIREMENT AND EXTENSION OF EMPLOYMENT

There were 46 employees working on an extension of employment in 1971, as compared to 50 in 1970, 65 in 1969, 45 in 1968, and 38 in 1967.

EXECUTIVE HEALTH EXAMINATIONS

There are 177 individuals on the Executive Medical Examination list as of the end of the year and we have received 150 medical reports which were performed in 1971. Fourteen men have been taken off the Executive list (Wellman, Bedford and Aerospace, Montreal). In 1970, there were 189 executives listed and 170 had examinations in that year.

EXECUTIVE HEALTH EXAMINATIONS (Cont'd.)

Occasionally there will be a delay in the performance of the executive physical examination due to the travels of the executive or the inability to fit in with the doctor's appointment schedule. We really have very few individuals who are actually tardy in undergoing their medical check-up. It is felt that it is the responsibility of each of the executives to undergo his physical with regularity. On occasion a little prompting is encouraged to get them off the delinquent list. When abnormal findings are noted, these are called to the attention of the examinee so that he will hopefully do something about it. Many times a little treatment can do much to prevent a worsening of the condition to such an extent that symptoms may appear with resultant absenteeism and/or decreased performance.

MEDICAL BULLETINS & MEMOS TO NURSES ISSUED IN 1971

The schedule of medical fees was brought up to date in January 1971. A booklet on the Occupational Safety and Health Act of 1970 was sent to the plants, and various miscellaneous medical and nursing information was sent to our industrial nurses during the year.

PLANT VISITS BY PHYSICIANS - 1971

Visits were made to the following plants one or more times during 1971:

<u>Division</u>	<u>Plant</u>	<u>Doctor</u>
Amsco	New Castle Jolietta	Dr. E. M. McGuire Dr. R. Previlla
Denison	Columbus Delaware	Dr. E. W. Bohl Dr. G. J. Parker
KPD	Athens Mabwah	Dr. R. Main Dr. S. D. Beers

ACTIVE PULMONARY OCCUPATIONAL DISEASE CLAIM CASES - 1971

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>AMSCO</u> Joliette	Alphonse Deshaies (Deceased)	Employee died in 1947 and his widow receives a pension of \$40.00 per month.
	Stanislas Lippe (Deceased)	This employee died on 6-20-64. The widow continues to receive a monthly pension of \$170.00.
	Jean Valois 7A-41	This employee continues to work regularly as a machine grinder in the Cleaning Department.
	Rosaire Hubert 7A-54 (Deceased)	This man died on 4-10-67 and the QWCC continues to pay benefits to the dependent survivors.
	Leonidas Plante 7A-55	He continues to receive a 30% partial permanent disability beginning 3-31-69 in the amount of \$159.38 per month. I believe he is now retired. The last report from the plant indicated that when he was last seen, he seemed to be in "good shape."
	Rodolphe Labine 7A-65 (Term. 1954)	He continues to receive a 100% disability with a monthly pension of \$292.00. He is now living in Montreal and is confined in the house.
	Jacques Panneton 7A-80	After medical exam in Feb. 1971, it was decided not to modify the rate of his partial permanent disability already evaluated at 10%. He receives a pension of \$31.88 per month which will be continued for a period of three years, after which he will be examined again.
	Armand Roy 7A-84 (Deceased)	Pension is being given to his widow in the amount of \$135.00 per month.
	Azario St-Cernia 7A-99	This man retired on 10-31-70. He continues to receive a 10% disability in the amount of \$31.88 per month.
	Marcel Cromer 7A-101	Employee continues to receive a 25% disability pension in the amount of \$84.48 per month. He is a Pattern Loftman in the Pattern Storage.

ACTIVE PULMONARY OCCUPATIONAL DISEASE CLAIM CASES - 1971 (Cont'd)

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>AMS CO</u> Joliette	Josephat Forest 7A-106 (Deceased)	The widow of this deceased employee continues to receive a 100% disability pension in the amount of \$248.65 per month.
	Adelard Durand 7A-112	This employee took an early retirement on 10-1-70. Medical exam by experts of Pneumoconiosis Committee on 9-23-71 indicated his physical condition has remained the same and there was no need to increase the percentage of disability. He will continue to receive \$81.29 monthly for a 25% disability.
	Jean-Paul Beaulieu 7A-123	In Feb. 1971 this employee was advised that medical proof received following his recent medical exam by the members of the Pneumoconiosis Committee revealed that his physical condition has slightly worsened. Consequently, the percentage of his partial permanent disability was increased from 25% to 40% in the amount of \$82.82 monthly. In June 1971 a medical report from Dr. Fernand Gregoire of the QWCC concerning the respiratory problems he had last April indicated that this employee is eligible for compensation for total temporary disability. Dr. Gregoire recommended that he should be followed by a cardiologist in Joliette. Since Dec. 1970 he has not worked due to his chest condition. He is compensated by the Commission.
	Edouard Desjardins 7A-127	He continues to receive a 35% disability in the amount of \$118.26 per month. He is a Watchman in the Yard. In Dec. 1971 he was off work because of flu and bronchitis.
	Jean-Paul Menard 7A-138	Letter in April 1971 from the QWCC states that following the medical exam he had recently by their experts it has been decided not to modify the rate of his partial permanent disability already evaluated at 30%. He will continue to receive a monthly pension of \$144.75 for an additional period of three years, after which he will again be examined. He continues to work in the Stores as a Serviceman. His health status seems to be good.
	Romeo Codarre 7A-139	He continues to receive a monthly pension of \$52.38 for a 25% disability. His occupation is Watchman in the Yard.

ACTIVE PULMONARY OCCUPATIONAL DISEASE CLAIM CASES - 1971 (Cont'd.)

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>AMESCO</u> <u>Joliette</u>	Joseph Cervais 7A-146	He continues to receive a monthly pension of \$79.69 for a 25% disability. He is a Serviceman in the Maintenance Dept.
	Gerald Boileau 7A-151	He continues to receive a monthly pension of \$252.73 for a 75% disability. He has been on T&P disability since 9-1-62 and is in poor health.
	Herve Bernard 7A-166	He receives a 25% disability with a monthly pension of \$79.69. In May 1971 we were informed that he was confined at home for a whole winter season because of poor health.
	Normidas Durand 7A-175 (Term.)	He receives a 100% disability in the amount of \$223.14 per month. He was terminated on 8-4-69 and his physical condition remains unchanged.
	Jacques Dufresne 7A-261 (Term. 3-22-67)	In March 1971 the plant contacted Mr. Cadorette of the QWCC to obtain more details regarding the percentage of disability Mr. Dufresne was receiving with reference to his psychiatric problem. Mr. Cadorette informed them that the percentage of disability is presently 30% with a monthly pension of \$95.63. We were under the impression that his partial permanent disability was reduced from 10% to 5% in July 1970. The percentage of disability for silicosis has always remained at 25% since Nov. 1968, but on a later date he was granted an additional 10% disability for psychiatric traumas apparently due to the fact that he had to leave his job on account of his health. Their letter in July 1970 referred only to the psychiatric part while the other 25% for silicosis was unchanged. In short, Mr. Dufresne is receiving a 30% disability for his physical and mental conditions.
	Roger Chasse 7A-296	In June 1971 the QWCC indicated that they had accepted his claim for pneumoconiosis after receiving the medical report of the experts who examined him. However, he does not suffer presently of any compensable disability. He will be examined again in three years.

ACTIVE PULMONARY OCCUPATIONAL DISEASE CLAIM CASES - 1971 (Cont'd.)

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>AMSCO</u> Joliette	Leo Menard 7A-304	He continues to receive a 15% disability in the amount of \$43.65 per month. Mr. Menard was off work from July 20 to August 16, 1971 with a bronchitis. Medical examination by QWCC on 12-23-71 concluded that his health condition remains unchanged and there is no reason to change the percentage of his compensation until Nov. 1974 when he will be examined again.
	Ubaldo Contu 7A-333	He is receiving a 15% disability. He had a myocardial infarction in Nov. 1970 and was off work for three months. His recovery was without incident and he continues to work as a Casting Material Conditioner in the Cleaning Dept. After medical exam in Dec. 1971, the QWCC experts concluded that his condition remains unchanged and for this reason they recommend that the compensation he is presently receiving be continued up to Nov. 1974, and at that time there will be a revision of his case.
	Jean-Guy Bazinet 7A-337	In June 1971 following exam by the QWCC experts, we received a report that medical proof indicates he still suffers a total permanent disability. His monthly pension will be continued for an additional year, after which he will be examined again. He is receiving a 100% disability in the amount of \$173.62 per month.
	Reginald Roy 7A-355	He receives a 15% disability with a monthly pension of \$39.15 up to the end of Feb. 1975, when he will again be examined. Since his surgery in April 1970, Mr. Roy has not been sick. He works as a Serviceman in the Core Room.
	Marcel Forest 7A-366	In Feb. 1971 the QWCC wrote to Mr. Forest indicating that once again he did not go for his examination at St. Joseph de Rosemont Hospital on 11-9-70 and under such circumstances, they assume that he is no longer interested in his claim and they are closing their file. The plant contacted Mr. Forest who told them that he will not return for an exam by the doctors of the Commission because he feels very well. He is working as Pattern Loftman and lost no time in the past year due to sickness.

ACTIVE PULMONARY OCCUPATIONAL DISEASE CLAIM CASES - 1971 (Cont'd.)

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>AMSCO</u> Joliette	Jean-Jacques Guilbault 7A-369	Letter from the QWCC in April 1971 indicated that medical proof received following the medical exam he had recently by their experts shows that his physical condition has been slightly aggravated and consequently they have accepted his claim for silicosis. His disability has been evaluated at 10%. This employee works as a burner in the Hot Cleaning Department and although the burning station works fairly well, he will again be advised and instructed to burn as close to the face of the exhaust ventilation as possible.
	Alban Harnois 7A-425	He receives a 25% disability pension in the amount of \$81.28 per month. He is still working in the Yard as a serviceman.
	Jean-Claude Marcil 7A-428 (Term. 5-17-63)	He continues to receive a 25% disability in the amount of \$56.67 per month. Mrs. Marcil told the plant that her husband is still working at St. Charles Hospital as a watchman, and that his disability does not affect him much as long as he takes care of himself.
	Gaston Beaudoin 7A-451	Form 85-12 for Pneumoconiosis filed in April 1971. Mr. Beaudoin does not complain of any shortness of breath and form was filled out upon Dr. Previll request. The employee is classified as having siderosis, and the radiologist diagnosed his last chest x-ray as showing pneumoconiosis. The QWCC has asked to review his chest x-rays and these were sent in May 1971. We were informed by the plant in Dec. 1971 that they had not yet had a letter from the Commission concerning this employee claim for pneumoconiosis.
	Donatien Guilbault 7A-723	He receives a 10% disability in the amount of \$34. per month. He works as a Leadman in the Yard.
Chgo. Heights	Peter Simone 1A-705	The outcome of the oral argument hearing held on 4-21-71 was again favorable to us in that it upheld or reaffirmed the prior arbitrator's decision of the medical condition from which Peter Simone is suffering is not related to his work although there is an exposure present. It was also made known that his attorneys are filing for further adjudication. This case can go on to the Supreme Court level.

ACTIVE PULMONARY OCCUPATIONAL DISEASE CLAIM CASES - 1971 (Cont'd.)

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>AMSCO</u> Chgo. Baights	Luis C. Gomez 1A-3161 (Term. 10-14-68)	This case is still open and pending before the Commission. A hearing is set for 2-17-72 and Liberty Mutual has placed a nominal reserve on the case which may indicate belief of a good defense. The man's present employment and whereabouts are not known.
New Castle	Charles Dunn 4A-911	In Dec. 1971 Liberty Mutual informed us that the present status of this claim is that it is just waiting for a hearing to be listed. Thus far we have received rather meager information from the insurance carrier.
<u>EPD</u> Mahwah	Charles B. Jordan 1B-2773	In July 1971 this employee filed four separate claims regarding eye, skin, ear and lung conditions. No lost time was noted on any of the claims. He alleges eyes are exposed to hot sparks and foreign bodies; multiple burns to both hands, exposed to loud industrial noises over a long period of time and developed an occupational deafness; inhalation of harmful chemicals, fumes, and vapors and sustains an occupational respiratory condition and complications arising therefrom.
Rochester	Vincent Pagliuco 1EC-189	This retired employee's health, according to a report from the plant nurse in Aug. 1971, has not changed. He remains under close medical supervision.
<u>Brakeblok</u> Cleveland	Eugene Schubert 5C-150	This claim was allowed after a hearing on 6-28-71. The doctors conducted a very thorough study of the case. The law in Ohio states that when an individual has silicosis with resulting disability, even though complicated by other factors, it is compensable. This case is now considered closed.
<u>EPC</u> Los Angeles	August Ambrosic 7A-155	This employee filed a second workmen's compensation claim in Sept. 1971 for loss of hearing and injury to his lungs and heart. His first claim in Jan. 1968 for chronic pulmonary disease which resulted in a lung disability was settled out of court by CCIL on 4-1-69 in the amount of \$7,500.00. This man continued to work as a frog assembler (same job classification) until he became sick in May 1971. His doctor states that he doubts this man will ever be able to return to his job or any similar trade. He was placed on our T&P disability status effective 12-1-71. He was hired in 1942 and is 55 years of age.

ACTIVE NON-PULMONARY OCCUPATIONAL DISEASE CLAIM CASES - 1971

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>AMSCO</u> St. Louis	Carl Garner 2A-1380	This employee has had a first hearing on his injury to his left hand and they looked at his leg too, but did not mention his loss of hearing, he says. Nothing was settled and he does not have a date yet to return. The plant nurse states that they have heard nothing from Liberty Mutual about this so will "wait and see." The apparent reason we do not have a formal filing for the alleged loss of hearing is that the Missouri law requires a six month removal from the exposure before a claim can be filed.
Oakland	Edward J. Sarjeant 3A-29	On 2-2-71 the Workmen's Compensation Appeals Board of the State of California awarded Mr. Sarjeant \$1,417.50 for his alleged loss of hearing, which is equivalent to a 6-3/4% permanent disability, with an additional \$65.00 litigation cost. We have not heard anything further regarding his claim for pulmonary occupational disease. This employee continues working regularly, and is wearing hearing protection on the job.
<u>DENISON</u> Delaware	Grover C. Gale 2D-318	A Workmen's Compensation claim was filed alleging asthma as a result of trichloroethylene exposure. Dr. D. Smith, an allergist, stated that this man had an allergic reaction to trichloroethylene and Dr. T. Williams, his family physician, feels that this is a true case of trichloroethylene allergy related to his work at the Delaware plant. His claim on 8-31-71 was approved for asthma related to exposure to trichloroethylene, and he was totally disabled from 1-18-71 to 6-1-71. He can now work as long as he is not exposed to trichloroethylene. He is unable to work at any job continuously for 7 or 8 hours, he alleges, on account of his respiratory condition and will seek additional compensation for temporary total disability.
Marysville	Roy L. Clark 3D-64	In Feb. 1971 in the course of his work, this employee suffered carbon monoxide poisoning.

ACTIVE NON-PULMONARY OCCUPATIONAL DISEASE CLAIM CASES - 1971 (Cont'd.)

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>EPD</u> Hendville	Robert L. Stearns 38-324	Mr. Stearns was reexamined by Dr. Rickloff on 8-3-71. The grafted finger looks good. The thumb, index and fourth fingers show telangiectases and have improved some with 5 F.U. therapy. He will be seen again in one year.
<u>EPC</u> Los Angeles	Emery Sipes 7R-495	This man was hired in January 1966 and terminated the end of March 1968. He worked as a swing frame grinder. He has filed two claims, one for an injury, and the other for manganese intoxication while employed for Abex.

ACTIVE DERMATITIS CASES - 1971

<u>AMSCO</u> Chgo. Heights	Willie Gillespie 1A-3079	Dermatitis of nose and upper lip. Employee was hand screening sodium meta silicate pentahydrate, which he stated caused a rash on his nose. The dermatologist reported the process to be a follicular irritation of the chloracne type. This is industrial and appropriate therapy was instituted.
<u>BB</u> Winchester	William Beck 3C-459	This employee was working the Compound Dept. and washed tooling with Mak & Resin solution although the man wasn't sure what he did wash the tooling in. He developed a red rash of his hands and arms with swelling. Dr. Melton treated him with Teldrin capsules, 12 mgm. with good results. He lost only 4 days and had a complete recovery.
<u>EPD</u> Madina	Carl McPherson 2EC-209	He was seen by a dermatologist on 10-3-71 who found him to be allergic to the synthetic rubber with which he worked in the Pattern Shop. The skin eruption on his hands has cleared up and he is not working with rubber any more. He still wears gloves while working.
<u>AEROSPACE</u> Oxnard	Jose Martinez 3K-2054	Contact dermatitis of fingers of both hands from using soluble oil in the Machine Shop. His condition cleared up in a short time with treatment. He terminated his employment on 12-3-71.

ACTIVE DERMATITIS CASES - 1971 (Cont'd.)

<u>Div. & Plant</u>	<u>Name & Study No.</u>	<u>Present Status</u>
<u>AEROSPACE</u>		
<u>Omard</u>	Cene Morrison 3K-2107	He works in the Machine Shop in the Lap & Hone Dept. He was using lapping compound and rubbed his right eye which started an irritation. He did not report his eye condition until three days later and his right eye was in very bad condition by this time. He was sent to the doctor and lost three days from work.
	Kenneth Mears 3K-2277	This man worked in the Machine Shop as a Grinder. He was working in trichloroethylene and coolant. He developed a severe dermatitis with cracking of the skin on both hands. His patch tests were positive to trichloroethylene. His rash cleared up rapidly. Mr. Mears had been cleaning his hand with trichloroethylene which caused his dermatitis. He was terminated on 8-9-71.
<u>RPG</u>		
<u>Calera</u>	Robert C. Works 10S-210	Employee developed a rash. He had been in contact with Permanente #165 and the heat was probably a contributory cause. He is a pourer and even away from any contact with the Permanente #165, the rash began to return and he was off work again in Aug. 1971. He returned to work in Sept. 1971 and has not missed any work since then. The only dermatitis he had in Nov. 1971, according to the plant nurse, was in his right ear and he says it is getting better. His hands and arms itch occasionally and he uses the ointment prescribed by the doctor on them. He continues working as a pourer and is now at the pouring station for one hour and off one hour.
	William E. Coggins 10S-433	In Oct. 1971 this man had an occupational allergic dermatitis. The rash along the belt line and axillae attributed to spray used in his job as cope sprayer (Formalic mixed with alcohol). It cleared with the use of antihistamines and he was transferred to the yard as a laborer.
<u>Chgo. "C"</u>	Willie Black 21B-99	Contact dermatitis of cheeks of face, neck, back, shoulders, abdomen, upper and lower arms. He is a fiberizer operator in the Comst Dept.

POTENTIAL PULMONARY OCCUPATIONAL DISEASE CLAIM CASES

<u>Div. & Plant</u>	<u>Study No.</u>	<u>Name</u>	<u>Present Status</u>
<u>AMSCO</u>			
<u>Chgo. Heights</u>	1A-189	Anthony DeLorease	Working
	-448	Theodore Malenki	Working
<u>St. Louis</u>	2A-82	Simon Hedge	Retired 8-31-66
	-93	Doris Branson	Working
	-283	Floyd Schular	Retired 2-1-64
	-594	Wiley Allen	Retired 3-31-66
	-713	Harvey Treadway	Working
	-1226	Dexter Head	Working
	-1639	Sterling Brown	T&P Disability 4-1-69
<u>Oakland</u>	3A-84	Edwin Reposa	Working
<u>New Castle</u>	4A-42	Karl Disabatino	Working
	-85	Frank Latavits	Retired 12-7-70
	-654	Nolan W. Brinkley	Totally disabled (back)
	-691	Chance P. Kaen	Retired 7-1-68
	-908	Willie Daughtry	Deceased 11-4-71
<u>Denver</u>	5A-229	Joseph Gabbie	Retired 5-31-66
	-520	Amadeo Garcia	Retired 1-30-69
	-1374	Cesarie Rodriques	Working
	-1456	Patrick Sheridan	T&P Disability 11-1-66
<u>Los Angeles</u>	6A-33	Lawrence Bobbitt	Retired 8-1-61
<u>Joliet</u>	7A-18	Heliodore Brasseu	Working
	-52	Victorien Plante	Retired 2-1-71
	-88	Hildage Champagne	Retired 1-31-72
	-111	Real Asselin	Working
	-130	Raymond Daxiel	Working
	-148	Rosaire Marcell	Retired 4-30-66
	-152	Arthur Robillard	Retired 12-1-68
	-160	Fernand Plouff	Retired 2-1-69
	-168	Ernest Bissonette	Working
	-211	Rene Brasseu	Working
	-376	Raymond Lavelle	Working
	-395	Paul Emile Forget	Working
	-402	Denis Marcel	Working
<u>KPD</u>			
<u>Mahwah</u>	1B-307	John Spiech	Working
	-1440	Percy Morgan	T&P Disability 9-1-70
	-2389	Sipp Boyd	Working

POTENTIAL PULMONARY OCCUPATIONAL DISEASE CLAIM CASES (Cont'd.)

<u>Div. & Plant</u>	<u>Study No.</u>	<u>Name</u>	<u>Present Status</u>
<u>EPD</u>			
Elyria	K-1609	Milburn Alicia	Working
Recheater	1EC-12	Peter Rocco	Retired 7-1-59
<u>DENISON</u>			
Columbus	1D-251	Lawrence McDowell	Retired 9-30-71
<u>KPC</u>			
Meadow Lands	68-16	Charles Penczak	Retired 6-1-55
Buffalo "BS"	10B-43	Stanley Wodarsak	Retired 1-1-64

Note: Those listed in previous annual reports as being terminated or deceased are not included in the present listing of potential occupational disease claim cases.

PREPLACEMENT AND SURVEY MEDICAL EXAMINATIONS

	<u>1971</u>	<u>1970</u>
Survey Physical Examinations (includes Reinstatements)	3,515	3,688
Preplacement Exams	1,671	2,887
Rehire Exams	183	204
Total:	<u>5,369</u>	<u>6,779</u>

X-RAY INTERPRETATIONS

A total of 10,217 x-rays were interpreted by the Medical Department during 1971. Classification of x-rays and comparison with 1970 is as follows:

	<u>Preplacement</u>	<u>Reinstatement and Rehire</u>	<u>Recheck</u>	<u>Periodic Survey</u>	<u>Total</u>
1971	1,602	282*	6	8,327	10,217
1970	2,778	236**	10	9,844	12,868

* Includes 183 rehire films

** Includes 204 rehire films

Our films were loaned to employee's physicians or to the chest clinic in 30 instances during the year to aid in diagnosis and treatment, as compared to 39 in 1970.

MOBILE X-RAY UNIT

	<u>1971</u>	<u>1970</u>
Surveys completed	41	43
Employees x-rayed	7,039	7,813
Pensioners x-rayed	521	457
Total x-rays taken	7,560	8,270
Miles bus traveled	12,446	12,500
Total cost per man x-rayed	\$2.91	\$2.41
Cost per mile (gas, oil, maint.)	.1049	.099
Actual x-raying time	211.50 hrs.	221.50 hrs.
Average x-raying time per plant	5.16 hrs.	5.15 hrs.
Average x-raying time per x-ray	1.68 min.	1.61 min.

COST OF OPERATION OF MOBILE X-RAY UNIT IN 1971

Technicians Expenses (meals, hotels, etc.)	\$6,255.95
Technician's Salary	10,440.00
Films, Chemicals, Supplies	1,799.44
Film Badge Monitoring Service (Landauer)	56.80
Miscellaneous Supplies	156.47
Bus Maintenance	308.00
Maintenance of X-Ray Equipment	357.08
Gas and Oil	567.45
Licenses (Ill. and travel permits for other states)	368.41
Parking, tolls (road and bridges, etc.)	62.90
	<u>20,372.50</u>
Depreciation:	
X-ray tube (purchased 5/61) fully depreciated	
X-ray Equipment (purchased 5/61) 5% of \$11,139.13	\$556.96
Bus Chassis (purchased 3/69) 12-1/2% of 8,320.01	<u>1,040.00</u>
	<u>1,596.96</u>
Total:	\$21,969.46

TUBERCULOSIS

Three cases of inactive pulmonary tuberculosis were discovered in 1971, as compared to six cases in 1970. All were found on preplacement chest x-rays and all were able to be hired.

TUBERCULOSIS (Cont'd.)

<u>Type of Examination</u>	<u>DISPOSITION</u>				<u>Compared with 1970</u>
	<u>Working</u>	<u>Clinic Care</u>	<u>Terminated</u>	<u>Total</u>	
Preplacement Survey	3			3	5
Total:	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>6</u>

NEW CASES OF ACTIVE OR INDETERMINATE TUBERCULOSIS DISCLOSED IN 1971 (3 CASES)

<u>Division and Plant</u>	<u>Study No.</u>	<u>Type of Examination</u>	<u>Disposition & Present Status</u>
<u>BRACEBLOW</u> Winchester	3C-3050	Preplacement	Hired, inactive disease.
<u>KPC</u> Chicago "Q"	4B-2572	Preplacement	Hired, inactive disease.
Chgo. Heights	10R-2044	Preplacement	Hired, inactive disease.

TUBERCULOSIS DISCOVERED DURING PAST 24 YEARS

<u>Year</u>	<u>No. of Cases</u>	<u>Year</u>	<u>No. of Cases</u>	<u>Year</u>	<u>No. of Cases</u>
1948	53	1956	18	1964	9
1949	34	1957	17	1965	16
1950	35	1958	7	1966	8
1951	46	1959	11	1967	12
1952	40	1960	15	1968	17
1953	40	1961	12	1969	11
1954	26	1962	15	1970	6
1955	26	1963	7	1971	3
Sub-total:	<u>300</u>		<u>102</u>		<u>82</u>

Total Cases: 484

CANCER OF THE LUNG DISCOVERED IN 1971 (10 CASES)

The ten cases of cancer of the lung discovered in 1971 are as follows:

CANCER OF THE LUNG DISCOVERED IN 1971 (10 CASES) (Cont'd.)

<u>Study No.</u>	<u>X-Ray Shadows Detected</u>	<u>Remarks</u>	<u>Lung Surgery</u>	<u>Present Status</u>
2A-747	Not found by us.	CO-60 therapy.	11/70 Thera- ectomy.	Died 9-5-71.
3A-70	Not found by us.		5/71 left pneumonectomy.	Working.
1B-2545	Not found by us.	Cobalt therapy.	9/71 Thera- ectomy.	Died 12-2-71.
13B-402	Not found by us.	Cobalt therapy.	Scalene node biopsy.	Died 12-6-71.
1BW-108	Survey 8/71		12/71 Sternotomy.	At home.
2H-1019	Preplacement 9/71.		Lebectomy.	Term. 10/71.
3K-712	Survey 3/71.		Lebectomy.	Term. 9/71, died 11/71.
3K-2276	Survey 1/71.	X-Ray therapy.	3/71 biopsy.	Off sick.
3N-585(P)	Not found by us.	Last x-ray 1959.		Died 3-26-71.
4R-3(P)	Not found by us.	Last x-ray 1960.		Died 6-3-71.

CANCER OF THE LUNG BY YEARS.

<u>Year</u>	<u>No. of Cases</u>	<u>Year</u>	<u>No. of Cases</u>	<u>Year</u>	<u>No. of Cases</u>
1948	1	1956	11	1964	11
1949	3	1957	12	1965	5
1950	4	1958	4	1966	13
1951	9	1959	4	1967	14
1952	9	1960	6	1968	14
1953	8	1961	7	1969	16
1954	7	1962	10	1970	10
1955	6	1963	10	1971	10
Sub-totals:	47		64		93

Total Cases: 204

Less - 6 (removed as non-carcinoma)

Adjusted Total: 198

THE PRESENT STATUS OF 198 CASES OF LUNG CANCER DISCOVERED 1948-1971

Working:	8	Study No. 3A-70, 3C-1335, 3K-755, 10R-1067, 10S-202, 1W-427, 1W-442. (Study No. 10S-202 has had 2 malignancies)
Off Sick:	4	Study No. 1BW-108, 3K-2276, 3N-1070, 3S-327.
Dead:	166	Died in 1971 - 9 cases. Study No. 2A-607, 2A-747, 1B-2545, 4B-386, 13B-402, 3K-712, 3K-1376, 3N-583 and 4R-3.
Retired:	8	Study No. 7B-106, E-339, 2F-572, 3K-1097, 1N-273, 1N-308, 2R-53, 2R-414.
Terminated or not hired:	12	Study No. 6A-2408, 3B-769, 10B-346, 14B-314, 2EC-319, 1F-2158, 2H-1019, 1K-2323, 3K-1562, 5R-790, 5S-865, 6S-194.
Total:		198 Cases of lung cancer discovered since 1948.

PULMONARY OCCUPATIONAL DISEASE

In-plant working conditions throughout the United States and Canada are infinitely better at this time than they were just a few years ago by comparison. Nevertheless we will continue to see new cases of pneumoconiosis otherwise known as pulmonary occupational disease. This results from long continued exposure during the entire work history or work life of the individual. We have even seen the development of a pneumoconiosis in one or two of our employees several years after they had been retired on a pension.

The total number of pneumoconiosis cases in our employ is less, considerably less, than it was only ten or so years ago. Hopefully by good engineering, proper maintenance of equipment, good supervision on the job, and through proper work habits we will be able to eliminate this problem in our manufacturing plants.

It is realized that on occasion until conditions could otherwise be corrected and maintained, that it may be necessary for an employee to wear an approved respirator.

PULMONARY OCCUPATIONAL DISEASE (Cont'd.)

During the year 1971, we noticed a total of 10 new cases of pneumoconiosis or progressions in milder cases already known to us. Most of these individuals were grinders, burners or molders.

In the case of silicosis, we know that tuberculosis may very readily accompany this condition. This is one of the reasons why we make such an effort to follow-up on the pneumoconiosis cases. In many instances the development of active pulmonary tuberculosis in an individual with a pneumoconiosis is considered to be a compensable infection. Some chest specialists even go so far as to recommend prophylactic anti-tubercular drug therapy because of the greater likelihood of these individuals developing active pulmonary tuberculosis.

The Abex mobile unit performs a very realistic service in providing chest x-rays for all employees in our manufacturing facilities. It provides us with an early insight into our pneumoconiosis picture and helps considerably in controlling this very serious problem.

CASES OF PULMONARY OCCUPATIONAL DISEASE ALL DIVISIONS OF ABEX - PAST 10 YEARS

<u>Year</u>	<u>Pre-Siderosis</u>	<u>Siderosis</u>	<u>Pre-Silicosis</u>	<u>Silicosis</u>
1962	94	77	49	18
1963	90	75	46	15
1964	87	74	45	17
1965	85	71	42	16
1966	77	70	36	21
1967	71	66	35	24
1968	69	64	32	25
1969	64	60	29	23
1970	62	57	22	22
1971	56	55	20	21

PROGRESSIONS IN PULMONARY OCCUPATIONAL DISEASE ALL DIVISIONS OF ABEX - PAST 10 YEARS

<u>Progression to</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>
Pre-siderosis	0	1	1	4	0	0	8	3	3	3
Siderosis	0	2	1	0	4	2	3	0	1	1
Pre-silicosis	0	2	0	1	1	3	3	0	1	4
Silicosis	3	1	2	1	6	4	3	1	3	2
Total:	3	6	4	6	11	9	19	4	10	10

PROGRESSIONS IN PULMONARY OCCUPATIONAL DISEASE DISCLOSED BY X-RAYS IN 1971

<u>Division and Plant</u>	<u>Study No.</u>	<u>Occupational Exposure</u>
<u>Progression to Pre-siderosis</u>		
Ameco - Chgo. Heights	1A-1697 1A-3733	Burner since 1952. Grinder since 1964.
KPD - Elyria	E-101	Mostly grinder since 1939.
<u>Progression to Siderosis</u>		
Ameco - Chgo. Heights	1A-2981	Grinder since 1955.
<u>Progression to Pre-silicosis</u>		
Ameco - Chgo. Heights	1A-3014	Molder since 1954.
- Denver	5A-543	Molder since 1949.
KPD - Elyria	E-2052	Coal mine 18 years. Chipper-grinder welder's helper since 1960.
- Rochester	1EC-67	Molder - Maintenance since 1928.
<u>Progression to Silicosis</u>		
KPD - Elyria	E-27 E-1095	Coal truck driver 16 yrs. Grinder - cut-off saw operator since 1939. Retired 8-1-71. Molder elsewhere 14 years. Molder since 195

TOTAL CASES OF OCCUPATIONAL DISEASE BY DIVISIONS - DECEMBER 1971

<u>Division</u>	<u>Pre-Siderosis</u>	<u>Siderosis</u>	<u>Pre-Silicosis</u>	<u>Silicosis</u>
Ameco	50	53	12	15
Aerospace	0	0	0	1
Am. Brakeblok	0	0	0	1
KPD	5	2	4	4
Denison	1	0	0	0
KPC	0	0	4	0
Total:	56	55	20	21

CASES OF PULMONARY OCCUPATIONAL DISEASE BY PLANTS AS OF DECEMBER 1971

<u>Division and Plant</u>	<u>Pre-Siderosis</u>		<u>Siderosis</u>		<u>Pre-Silicosis</u>		<u>Silicosis</u>	
	<u>Uncomp.</u>	<u>With Infec.</u>	<u>Uncomp.</u>	<u>With Infec.</u>	<u>Uncomp.</u>	<u>With Infec.</u>	<u>Uncomp.</u>	<u>With Infec.</u>
<u>AMESCO</u>								
Chgo. Heights	22	0	24	3	4	0	1	0
St. Louis	11	2	6	1	0	1	0	0
Oakland	3	0	3	0	0	0	0	0
New Castle	4	0	1	0	1	1	0	0
Denver	5	0	0	0	1	0	0	0
Jolietta	3	0	12	1	2	1	14	0
Selkirk	0	0	2	0	1	0	0	0
<u>DENISON</u>								
Columbus	1	0	0	0	0	0	0	0
<u>EPD</u>								
Athens	0	0	0	0	0	0	0	1
Elyria	2	0	1	0	1	0	3	0
Mahwah	0	0	0	1	1	0	0	0
Rochester	2	0	0	0	2	0	0	0
Medina	1	0	0	0	0	0	0	0
<u>AM. BRAKEBLOK</u>								
Detroit	0	0	0	0	0	0	1	0
<u>AEROSPACE</u>								
Oxnard	0	0	0	0	0	0	1	0
<u>RPG</u>								
Baltimore	0	0	0	0	1	0	0	0
Calera	0	0	0	0	1	0	0	0
Chicago "Q"	0	0	0	0	1	0	0	0
W. Kansas City	0	0	0	0	1	0	0	0
<u>Total</u>								
All Divisions:	54	2	49	6	17	3	20	1
	56		55		20		21	

SIX CASES OF MODULATION REMOVED FROM PAYROLL IN 1971 - ALL DIVISIONS

<u>Division and Plant</u>	<u>Study No.</u>	<u>Classification</u>	<u>Retired</u>
<u>AMSCO</u>			
Chgo. Heights	1A-317	"y"	On T&P Disability 3-1-71.
	-413	"y"	Retired 4-1-71.
	-565	"s"	Early Retirement 8-1-71.
New Castle	4A-541	"y"	Retired 10-1-71.
Joliette	7A-47	Pneumoconiosis	Retired 12/68, not advised until 1/72.
<u>EPD</u>			
Elyria	E-27	"sy"	New case 1971, Retired 8-1-71

Note: "y" indicates Siderosis
"s" indicates Silicosis
"sy" indicates Sidero-Silicosis

CORONARY HEART DISEASE

Thirty-five employees had heart attacks in 1971 and thirteen of these were fatal attacks. Twelve have returned to work, five remain on sick leaves, one is still hospitalized, and four others have been placed on a Total and Permanent Disability status.

INDUSTRIAL HYGIENE

PROGRAM 1971

GENERAL

Lead predominated as a health hazard during the year of 1971 and once again is one of the more important airborne health hazards in Abex plants. During this year, three men were removed from their normal duties involving exposure to lead in view of excessive lead concentrations discovered in their blood. This basically means that these individuals absorbed lead from their working environment either through airborne concentrations exceeding the Threshold Limit Value or, and just as importantly, their poor personal hygiene.

The compensation insurance carrier picture for the Abex program in compensation insurance which also covers our industrial hygiene surveys was very cloudy for the first quarter of 1971. Due to a consolidation of ICI companies utilizing the same insurance carrier, we were actually "in limbo" relative to survey work for the months of January and February of the year of 1971. On March 1, 1971, The Travelers took over our compensation insurance coverage. During organizational meetings, they had promised to cover all facets of the program which had been covered by the previous carrier. This included performing comprehensive industrial

hygiene surveys in the United States and Canada (to include Ohio) as had been done by our insurance carrier in past years. However, their non-performance in the area of industrial hygiene surveys prompted a meeting with them in the month of June at their Hartford, Connecticut office. This meeting was attended by Dr. C. C. Blackwell, Jr., Owen C. Cottle, John J. Walsh, and Charles H. Borcharding, Jr. At this meeting it was decided, after much discussion, to name three representative Abex plants and "give us a try". These three plants were assigned to The Travelers to perform industrial hygiene surveys in.

The plants assigned to be surveyed during the latter portion of the year of 1971 were the Columbus, Ohio Plant - Denison Division, Minneapolis, Minnesota - RPG Division, and Mahwah, New Jersey - EPD. These plants were to be surveyed by The Travelers chemical specialists and not their field safety representative. It was decided that after these three surveys were completed by their chemical specialists, they would be evaluated by Abex and another meeting held in order to decide what action will be taken relative to industrial hygiene surveys in the Abex Corporation to be performed by The Travelers in the future.

These surveys were completed and evaluated by the Abex Corporation personnel prior to the end of the year of 1971.

These surveys were technically inadequate and not comprehensive in nature. In other words, they basically did not measure up to standards set by our previous carrier and not those performed by our own Abex industrial hygiene group. This matter will be discussed with The Travelers personnel during the meeting in the first quarter of 1972.

It is obvious without the assistance of our compensation insurance carrier in the field of accomplishing industrial hygiene surveys, there will be fewer made during the three year policy period. With the tremendous emphasis and pressure being brought to bear by the Occupational Safety and Health Act administered by the U.S. Department of Labor, this could be a big problem to the entire Abex Corporation. It is obvious that we must attempt to keep plants knowledgeable in their lack of compliance with O.S.H.A. regulations. Information relative to O.S.H.A. regulations is being disseminated to all plants and division headquarters. And it behooves each plant and divisional headquarters to review the material and act upon them as rapidly as is possible. However, there are many areas primarily in the field of health hazards where the plant actually cannot be knowledgeable without the problem areas being pointed out to them. It is in this area that the industrial hygiene and loss prevention personnel plant visitations become most important.

In August of the year of 1971, the old Loss Prevention and Industrial Hygiene Groups were organized into one group to be called Industrial Hygiene/Loss Prevention. This reorganization was taken in order to improve administrative areas of mutual interest and to better coordinate plant visitation.

MAJOR PROBLEM AREAS

During the year of 1971, the major problem areas of the Abex Corporation in the Industrial Hygiene field are primarily those as reported in previous years with one addition. These major industrial hygiene problem areas are: lead, noise, silica, lack of adequate maintenance of ventilation, the addition of asbestos, and last, but not least, employee education relative to health hazards with which they work. These of course, are all areas in which the Occupational Safety and Health Administration of the Department of Labor are deeply interested.

It should be noted that two Abex plants were visited by O.S.H.A. Compliance Officers during the year of 1971. The first visitation was on a routine basis and occurred in the EPD - Mahwah plant. Action coordinated by this office was taken by the plant with such speed and at a time when O.S.H.A. was somewhat yet disorganized, resulted in the fact that no penalties were assessed. However, in this case, all violations noted were basically of a rather minor nature. The second O.S.H.A. visitation was in the EPD-Elyria, Ohio plant and resulted from an employee complaint. The O.S.H.A. Compliance Officer was not an Industrial Hygienist and could not resolve the complaint (and this complaint was not resolved by O.S.H.A. even by the end of the year). While the O.S.H.A.

Compliance Officer was on site, he did however, make a complete plant tour, which they normally do. Several comparatively minor violations were noted and in this case, the penalty letter amounting to \$60.00 was received along with the citation. In both the above cases, the violations were cleared up to the satisfaction of the O.S.H.A. Compliance Officer.

A third occurrence, a fatality, in the RPG - Superior, Wisconsin plant, late in December will undoubtedly be visited by O.S.H.A. Compliance Officers. However, by the end of 1971, this had not yet transpired. However, it is anticipated that this fatality which occurred during the fall of a crane to the ground in the scrap yard of this plant will result in a "serious violation".

Although the Swift Electro-Protective System described in last year's annual report anticipated to be attempted in the St. Louis-Amsco Plant for waste water clarification was attempted, it did not operate as promised. Our Industrial Hygiene laboratory, has however, done additional work and feel that we can adapt the Swift Electro-Protective tank to an adequate flocculation-sedimentation system which will allow the utilization of equipment on site to do the proper and adequate water clarification job to allow complete recycling of the water in that location.

Lead

Lead problems continue to predominate in certain specific plants. During the year of 1971, three individuals were removed from their work involving exposure to lead. Two in RPG Plants, one in the Portsmouth, Virginia Bearing Plant, the other in the St. Paul Bearing Plant while the third individual was in an EPD Plant in Meadville, Pennsylvania. From our experience it appears the individual in St. Paul and the one in Portsmouth were both exposed to lead by their poor personal hygiene habits. The individual in the Meadville Plant was exposed to airborne lead.

Silica

Increasing accent is being placed upon silica dust exposures by C.S.H.A. Our experience indicated that increased exhaust ventilation coupled with adequate make-up air and proper work methods, all play a part in the exposure of the worker in silica dust. The methods of evaluating silica dust exposures are changing very rapidly. The method utilized by our laboratory and field people in past years has been collection by midget impinger sampler and counting by light-field microscopy. However, this method is being phased out and the method will, in the very near future, and is tentatively now, that which is called gravimetric sampling. This is a method of sampling whereby a small filter unit is placed on

the worker's lapel for several hours, after which the filter is returned to the laboratory and weighed on a micro-balance thereby determining the precise weight of material which the man would have breathe during an eight-hour projected work day. This method of sampling is being utilized by this laboratory as well as impinger sampling.

Asbestos

The exposure to asbestos is another health hazard which will be dealt with strongly by O.S.H.A. during the coming year. There are four (4) Abex plants which utilize asbestos: Mahwah, New Jersey - RPG, Chicago "C" Plant - RPG, Lindsay, Ontario, Canada - American Brakeblok, and the Winchester-Brakeblok Plant. There is now developed a specific method for sampling asbestos. This method deals with the evaluation of asbestos by fiber count and evaluation by the phase contrast microscopy method. This laboratory at this moment does not possess a phase contrast microscope, however, we are investigating which is the proper and adequate microscope to purchase. All other sampling equipment for the new asbestos method is on hand. However, it should be noted that no Abex plant has been sampled by Abex personnel by the new fiber count method.

The only Abex plant which has been partially surveyed has been done by the United States Public Health Service at the Winchester-Brakeblok Plant in conjunction with a life-time

study of employees. This plant is cooperating along with other companies in a life-time study of individuals exposed to asbestos in the Friction Products, in Building Products, and other products such as textiles.

INDUSTRIAL HYGIENE LABORATORY

The Abex Industrial Hygiene Laboratory functioned at an accelerated rate during the year of 1971. This was primarily because Mahmoud Desouky, Laboratory Technician, has gained much knowledge and experience in the micro-analysis required for Industrial Hygiene work. His primary task is the lead analysis of urine and blood specimens returned to this office from the lead operating plants through the system. During the year of 1971, he has additionally learned how to analyze various samples returned to the laboratory for airborne concentrations of such things as iron oxide, lead, manganese, zinc, cadmium, etc.

Those persons on the Industrial Hygiene staff who are capable of chemical laboratory analytical procedures are performing their own analysis when they return from plant visitations. This yields the Industrial Hygienist involved in a particular study in a much more meaningful manner, in that he sampled and analyzed the samples as well as evaluated the work environment relative to the samples which he has taken. This procedure will be continued to be followed so long as there are field personnel on the staff who can analyze their own samples.

LOSS PREVENTION

Costs involved in maintaining a safe place to work as required under the Occupational Safety and Health Act will add to operating costs at every Abex facility during 1972. This is not to say that loss prevention had been neglected in the past, however, under voluntary participation certain standards have been given minimal consideration and some which did not appear to offer tangible benefits were not put into practice.

Under O.S.H.A., strict adherence to the established standards is now required. Abex has the responsibility of getting operations into compliance with the least possible delay. The alternate is, wait for an O.S.H.A. inspection, absorb the penalties assessed for non-compliance, and take acceptable corrective action within an extremely tight deadline, all of which will add to the cost of the required corrections.

All plants are receiving regular bulletins from this office outlining specific O.S.H.A. requirements as they apply to operations, together with information on methods of correction and source of material required. It will be almost impossible to get any Abex or any other production facility into complete compliance. Many standards are not clearly defined. However, compliance with the obvious re-

quirements and an operational and effective health and safety program have been recognized as a demonstration of good faith. Where these facts have been established, the inspectors have been cooperative.

Certainly, compliance with some of the in-plant working environmental conditions is going to take more time, more engineering, and more money than is available at the plant level. For this reason, each Division should make a detailed study of each plant's requirements under O.S.H.A. and to establish a realistic timetable for compliance. Here again, recognition of the deficiency, together with a program and timetable for corrective action, will minimize the possibility of penalty and a crash program for correction, together with the added costs of such a program.

Operating plants will also be faced with higher benefits and awards under Workmen's Compensation. They will be subject to more inspections and reporting requirements from O.S.H.A. and State Agencies.

There remains a considerable variance in loss prevention control within Divisions which results, to a large degree, from a lack of demonstrated concern for the functions on the part of Division Management. This is not to say that the interest and concern is lacking, but rather, because it is not given the day to day emphasis and follow-up which is given

to the more tangible control areas such as discount, overtime, quality, and quantity of product produced.

During 1972, more emphasis will be given to the total loss prevention concept under which investigation for corrective action is not limited to only accidents which produce injury, but rather that any unintended or unplanned occurrence which may or may not result in equipment or product damage, interrupts production under such circumstances which an injury could have resulted, will be investigated thoroughly for all cause factors in order to develop corrective action which will preclude a recurrence. It is intended to also develop an effective follow-up program on the corrections required in the case of these "occurrences".

WORKMEN'S COMPENSATION

In 1971, for the period December 31, 1970 to March 1, 1971, Abex Corporation's Workmen's Compensation carrier was Liberty Mutual Insurance Company. During the first two months, according to Liberty's Estimate of Loss Summary (valued as of April 1, 1971) the total number of cases reported is given as one hundred fifty-nine (159) with a total loss incurred estimate of \$64,354. This figure includes all categories of compensation claims.

As of March 1, 1971, The Travelers Insurance Company has provided the Workmen's Compensation coverage. Because of differences in operating methods, claims handling procedures, and loss reserving systems, the monthly Loss Exhibit produced by Travelers does not readily provide loss figures which permit us to calculate our losses for 1971, at this time. These loss figures should be available sometime in July, 1972.

There were two (2) fatalities which occurred in 1971. The approximate claim costs for these cases is \$55,000. With the exception of these cases, the year 1971 compares favorably with our experience for 1970.

There will be an overall increase in Workmen's Compensation cost for 1972. During 1971, many of the compensation laws have been revised. Not only have there been increases in amounts of compensation benefits payable, but also liberalization in interpretation of existing laws. The enactments made in 1971 for the most part become effective during 1972.

PERSONNEL

During the year 1971, personnel changes again constituted a major problem in the Industrial Hygiene section and slowed the progress of our program. The position vacated by Norman Marczak in January of 1970 was not actually filled until July of 1971 by Fred T. Szum.

Fred L. Stanley resigned his position as Industrial Hygienist effective December 14, 1971 to take a similar position with the Federal Government.

Several persons filled the position of secretary to the Industrial Hygiene Section until June, 1971 when Mrs. Eleanor Jaskunas joined the section. Since that time, she has been of invaluable assistance.

In August of this year, the Loss Prevention and Compensation operations were combined with the Industrial Hygiene group to facilitate administration and coordinate plant visitation.

At the close of the year 1971, the Industrial Hygiene/Loss Prevention staff consisted of:

C. E. Borcharding, Jr.	- Mgr. Ind. Hyg./Loss Prevention
Mrs. Eleanor Jaskunas	- Secretary
L. B. Martin	- Loss Prevention Supervisor
F. T. Szum	- Industrial Hygiene Associate
J. A. Lange	- Compensation Supervisor
M. M. Desouky	- Laboratory Technician
Diane Klemens	- Clerk-Typist

1972 IN PROSPECT

Although a replacement for Fred L. Stanley is in view, the Industrial Hygiene-Loss Prevention staff will still be quite inadequate to cover this company's problems in this area for this coming year. If the help and assistance which the Abex Corporation has received from The Travelers in the field of Industrial Hygiene during the last three/quarters of 1971 are indicative of what we will receive in the future, it is apparent that we cannot depend upon them in this area. This fact will only increase our problems in the coming year, that is, if we cannot depend upon them for help and assistance in the field of Industrial Hygiene that we have enjoyed in the past from our insurance carrier. Assistance required by divisions as well as Facilities Engineering in the fields of both air and water pollution are increasing. If these continue to increase, or even continue at the present rate, the load is great.

It is very apparent, with the flurry of activity seen this past year by the Federal Government, U. S. Department of Labor, that the year of 1972 will be much more active. Only plant visitation, plant contact in general on our part, will be the best method of keeping plants current on O.S.H.A. areas of interest. As the individual States take over the laws and

responsibilities of O.S.H.A., this activity will only increase.

All plants must be made aware of and act upon the concept that compliance with O.S.H.A. regulations are mandatory and not voluntary in any manner. It is fully realized that funds for plant corrections required are probably not sufficient for the task at hand. However, the most obvious items must be attended to and the most expensive items must be programmed. If this approach is not utilized, our plants will - when visited by O.S.H.A. Compliance Officers - be charged sums of monies in the form of penalties as well as still increasing the costs to complete the correction. The costs may be greater due to the time element placed upon a plant when a citation has been given them. This time element may not allow for adequate engineering time or adequate time to obtain the best purchase price on items.

1971 INDUSTRIAL HYGIENE SURVEYS COMPLETED
BY ABEX PERSONNEL

AMSCO DIVISION

Two Harbors, Minn.
St. Louis, Mo.

RAILROAD PRODUCTS

Chicago "C"
Chicago "Q"
Minneapolis, Minn.
Meadow Lands, Penn.
North Kansas City, Mo.
St. Paul, Minn.

SPECIAL STUDIES

Amsco - Chicago Heights, Ill. - Noise
RPG - Baltimore, Md. - "Smoke"
RPG - Minneapolis, Minn. - "Smoke"

1971 INDUSTRIAL HYGIENE SURVEYS COMPLETED
BY THE TRAVELERS INSURANCE CO.

DENISON DIVISION

Columbus, Ohio

ENGINEERED PRODUCTS DIV.

Mahwah, N. J.

RAILROAD PRODUCTS GROUP

Minneapolis, Minn.

1972 INDUSTRIAL HYGIENE SURVEY SCHEDULE
FOR ABEX PERSONNEL

AEROSPACE DIVISION

Oxnard, California

AMSCO DIVISION

Oakland, California

BRAKEBLOK DIVISION

Winchester, Virginia

Lindsay, Ontario

DENISON DIVISION

Delaware, Ohio

Marysville, Ohio

ENGINEERED PRODUCTS DIVISION

Elyria, Ohio

Meadville, Pennsylvania

RAILROAD PRODUCTS GROUP

Baltimore, Maryland

Chicago "C", Illinois

Chicago Heights, Illinois

Houston, Texas

Los Angeles, California

Mahwah, N. J.

Portsmouth, Virginia

Pueblo, Colorado

St. Paul, Minnesota

Niagara Falls, Ontario

HEADQUARTERS

Chemical R & D - Mahwah, N. J.

Experimental Foundry- Mahwah, N. J.

Metallurgical R & D - Mahwah, N. J.

1972 INDUSTRIAL HYGIENE SURVEY SCHEDULE
BY THE TRAVELERS INSURANCE CO.

December, 1971 to March, 1972

AMSCO DIVISION

Denver, Colorado
New Castle, Delaware

RAILROAD PRODUCTS GROUP

Denver, Colorado

March, 1972 - February, 1973

ENGINEERED PRODUCTS DIVISION

Medina, N. Y.
Rochester, N. Y.
Santa Maria, California

BRAKEBLOK DIVISION

Cleveland, Ohio

RAILROAD PRODUCTS GROUP

Calera, Alabama
Pomona, California

1971 INDUSTRIAL HYGIENE/LOSS PREVENTION STAFF
PLANT VISITS & SURVEYS

<u>LOCATION</u>	<u>PERSONNEL</u>	<u>DATE</u>	<u>PURPOSE</u>
EPD-Elyria	LBH	1-12,13,14	Visit
RPG-Chicago "C"	FLS	1-25 to 29	Survey
RPG-Chicago "Q"	FLS	2-1 to 5	Survey
SKW-Toronto	CHB	2-11	Visit
DENISON-Marysville	FLS	2-18	Visit
RPG-Meadow Lands	FLS	2-19	Visit
AMSCO-St. Louis	CHB	2-22	Visit
AMSCO-Two Harbors	FLS	3-1 to 5	Survey
DENISON-Delaware	CHB	3-10	Visit
DENISON-Columbus	CHB	3-11	Visit
RPG-Baltimore	LBH	3-22,23	Visit
BB-Winchester	LBH	3-24,25,26	Visit
HDQTS.-N.Y.O.	CHB	4-1	Env.Comm.Mtg.
RPG-Mahwah	CHB	4-2	Visit
RPG-Chicago Heights	CHB & FLS	4-15	Visit
AMSCO-New Castle	FLS	4-20	Visit
EPD-Elyria	CHB	4-20	Visit
SKW-Toronto	CHB	4-28	Visit
BB-Winchester	FLS	5-25	Visit
EPD-Mahwah	LBH	6-1,2	Visit
HDQTS.-N.Y.O.	CHB	6-8	Env.Comm.Mtg.
EPD-Mahwah	CHB	6-9	Visit
EPD-Mahwah	LBH	6-14,15,16,17	Visit
Res.Ctr-Met. Lab.	LBH	6-17	Visit
EPD&RPG-Mahwah	LBH	6-18	Visit
AMSCO-St. Louis	FLS	6-21	Survey
RPG-N. Kansas City	FLS & FTS	7-20,21-22	Survey
EPD-Mahwah	CHB	8-5	Visit
EPD-Rochester	LBH	8-11-12-13	Visit
EPD-Medina	LBH	8-13	Visit
RPG-Meadow Lands	FLS & FTS	8-22-26	Survey
EPD-Meadville	FLS & FTS	8-26	Visit
EPD-Elyria	LBH	9-13,14,15	Visit
BB-Cleveland	LBH	9-16	Visit
RPG-Calera	CHB	9-14,15,16	Visit
EPD-Mahwah	CHB	9-21	Visit
RPG-Mahwah	CHB	9-21, 22	Visit
RPG-St. Paul	FLS & FTS	10-5,6	Survey
RPG-Minneapolis	FLS & FTS	10-7	Visit
AMSCO-St. Louis	CHB	10-15	Visit
AMSCO-Chicago Hts.	FLS & FTS	10-18 to 21	Noise Survey
EPD-Athens	LBH	10-27 to 29	Visit
RPG-Minneapolis	chb	11-2,3,4.	Smoke Study
AMSCO-Two Harbors	LBH	11-8 to 10	Visit
RPG-Superior	LBH	11-12	Visit
RPG-Baltimore	CHB	11-15 to 17	Smoke Study
BB-Winchester	CHB	11-18, 19	Visit

INDUSTRIAL HYGIENE LABORATORY ANALYSES
1971

Urine Lead (AA)	2314
Urine Lead (ALA)	31

Blood Lead (Polaragraph)	34
Blood Lead (AA)	32

In-Plant Environmental Air Samples

Chrome	11
Lead	38
Zinc Oxide	3
Manganese	10
Iron Oxide	42
Copper	17
Dust Counts	43
Silica	3
Asbestos	8

Industrial Waste Water

Suspended solids	69
Dissolved solids	2
Total Silicates	3
Iron	14
Manganese	12
Cr	9
Ni	2
Vol. solids	2
Ph	61
	2760