MC 0572 TUPAP [1969]

BOX 6-08 FOLDER 7

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## FORTIER, LANGEVIN, PELLERIN, MORIN & MONTREUIL

COMPTABLES AGRÉÉS / CHARTERED ACCOUNTANTS

TROIS-RIVIÈRES 1350, RUE ROYALE - TÉL. 376-4477

399-A. BOUL. STE-MADELEINE - TEL. 375-8996

CAP-DE-LA-MADELEINE

PIERRE FORTIER, C.A.
GABRIEL PELLERIN, C.A.
RENÉ MONTREUIL, C.A.

JACQUES R. LANGEVIN, C.A.
GILLES MORIN, C.A.
LÉON CADIEUX, C.A.

UNION INTERNATIONALE de PHYSIQUE PURE et APPLIQUEE

ETATS FINANCIERS

AU 31 DECEMBRE 1.969

INTERNATIONAL UNION of PURE and APPLIED PHYSICS

FINANCIAL STATEMENTS

AS AT DECEMBER 31, 1969

UNION INTERNATIONALE de PHYSIQUE PURE et APPLIQUEE INTERNATIONAL UNION of PURE and APPLIED PHYSICS Nous avons examiné le bilan de l'Union Internationale de Physique Pure et Appliquée au 31 décembre 1969, et l'état des revenus et dépenses pour l'année terminée à cette date. Notre examen a comporté une revue générale des procédés comptables et tels sondages des livres, pièces et autres documents à l'appui que nous avons considérés nécessaires dans les circonstances. A notre avis, le bilan et l'état des revenus et dépenses ci-annexés présentent équitablement la situation financière de l'Union Internationale de Physique Pure et Appliquée au 31 décembre 1969 ainsi que les résultats de ses opérations pour l'année terminée à cette date, conformément aux principes comptables généralement reconnus, appliqués de la même manière qu'au cours de l'année précédente. Fortier, Langevin, Pellerin, Morin & Montreuil
Comptables agréés Trois-Rivières, Qué. le 3 avril 1970. We have examined the balance sheet of International Union of Pure and Applied Physics as at December 31st 1969, and the statement of income and expenses for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances. In our opinion the accompanying balance sheet and statement of income and expenses present fairly the financial position of the International Union of Pure and Applied Physics as at December 31st 1969, and the results of its operations for the year ended on that date, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year. Fortier, Langevii, Gellerin, Morin & Montrevil
Chartered accountants Trois-Rivières, Qué. April 3rd, 1970.

## UNION INTERNATIONALE de PHYSIQUE PURE et APPLIQUEE INTERNATIONAL UNION of PURE and APPLIED PHYSICS

#### Bilan au 31 décembre 1969 Balance sheet as at december 31, 1969

#### ACTIF ASSETS

ASS	SETS		
	taux rate	U.S. Dollars	
ENCAISSE ET DEPOT CASH AND DEPOSIT			
12,841.91 dollars canadiens 40,902.52 dollars américains	\$ 1.07 \{	\$ 11,973.81 40,902.52	\$ 52,876.33
COTISATIONS A RECEVOIR DUES RECEIVABLE			6,070.00
INTERETS COURUS ACCRUED INTEREST			500.00
			\$ 59,446.33
PA S	SSIF		
	LITIES		
COMPTES A PAYER ET FRAIS COURUS ACCOUNTS PAYABLE AND ACCRUED CHARGES	3		\$ 6,560.00
AVOIRS SURPLUS			

Solde au 31 dé	ecembre 1968		
Balance as at	December 31,	1968	\$ 42,622.00

Ajouter: Revenu net de l'année
Add: Net income for the year 10,264.33

Solde au 31 décembre 1969 Balance as at December 31, 1969

52,886.33

\$ 59,446.33

## UNION INTERNATIONALE de PHYSIQUE PURE et APPLIQUEE INTERNATIONAL UNION of PURE and APPLIED PHYSICS

## ETAT DES REVENUS ET DEPENSES STATEMENT OF INCOME AND EXPENSES

# pour l'année terminée le 31 décembre 1969 for the year ended December 31, 1969

#### REVENUS INCOME

Subventions de l'I.C.S.U. Grants from U.N.E.S.C.O.	\$ 16,125.00	
Cotisations des pays membres Dues from member countries	42,000.00	
Intérêt gagné Interest earned	1,000.00	
Revenu divers Miscellaneous income	887.00	\$ 60,012.00
DEPENSES EXPENSES		
Conférences subventionnées par l'I.C.S.U. Conferences subsidized by U.N.E.S.C.O.	\$ 16,125.00	
Conférences subventionnées par l'U.I.P.P.A. Conferences subsidized by I.U.P.A.P.	15,875.00	
Frais de déplacement - commissions Travelling expenses - commissions	6,700.00	
Frais de déplacement - comité exécutif Travelling expenses - executive committee	7,637.40	
Secrétariat et comptabilité Secretariat and accounting	1,638.57	
Cotisations Subscriptions	1,040.00	
Impression Printing	452.93	
Frais bancaires et échange Bank charges and exchange	278.77	49,747.67
REVENU NET DE L'ANNEE NET INCOME FOR THE YEAR		\$ 10,264.33

### COTISATIONS DES PAYS MEMBRES

		Unités 1969	Solde à recevoir 31-12-68	Cotisations 1969	Montants recus	Solde à recevoir 31-12-69
Afrique du Sud		1.	\$	\$ 250	\$ 250	\$
Allemagne Est Allemagne Ouest	5	12		1,000 3,000	1,000	
Argentine		2		500	500	
Australie		6		1,500	1,500	
Autriche		1		250	250	
Belgique		4	1,000	1,000	2,000	250
Bolivie Brésil		2		500	500	250
Bulgarie		i		250	250	
Canada		8		2,000	2,000	
Chine-Formose	( 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1		250	250	
Cuba		1 3		250	250 750	
Dannemark Espagne		4		75 <b>0</b> 1,000	1,000	
Etats-Unis		18	1,000	4,500	4,480	1,020/
Finlande		1		250	250	
France		12		3,000	3,000	
Grande Bretagne		15		3,750	3,750	
Hollande		4 2		1,000 500	1,000	
Hongrie Indes		4	1,400	1,000	1,600	800
Irlande		1	1,400	250	250	000
Israel		2		500	500	,
Italie		12		3,000		3,000
Japon		8		2,000	2,000	
Mexique Norvège		2	1,000	500 25 <b>0</b>	1,500 250	
Pakistan .		1		250	250	250
Pologne		4		1,000	1,000	
République Arabe	Unie	1	250	250	250	250
Roumanie		3		750	750	
Suède		8		2,000	2,000	
Suisse		2 3		500 750	500 750	
Tchécoslovaquie U.R.S.S.		12		3,000	3,000	•
Yougoslavie	No. 12 . 15 . 15	1	250	250		500
	THE REPORT					
		100	\$ 4,900	\$ 42,000	\$ 40,830	\$ 6,070
*		168	\$ 4,900	\$ 42,000	7 40,030	3 0,070

UNION INTERNATIONALE de PHYSIQUE PURE et APPLIQUEE INTERNATIONAL UNION of PURE and APPLIED PHYSICS Secretary-General: Secrétaire général adjoint : Prof. C. C. BUTLER, F.R.S., Prof. L. KERWIN, F.R.S.C., Physics Department Département de Physique Faculté des Sciences Imperial College NOTES on 1969 FINANCIAL STATEMENTS Prince Consort Road Université Laval London S.W. 7, England. Québec 10, Canada. telephone: KEN. 5111 téléphone: 656-2131 Dues receivable Since January 1st, 1970, \$4,020. of the \$6,070. outstanding at that date have been paid. 2. Accounts payable This includes unused Commission travelling budgets. 3. Balance Our balance of about \$53,000. is approaching one year's operating budget as desired. 4. Interest earned This reflects the increase in that part of the Union's capital placed in an interest-bearing account last year (the amount is now \$15,000.). 5. Miscellaneous income Return of our 1968 subscriptions to I.C.S.U. Subscriptions I.C.S.U. : \$840. C.I.E.S. : \$200. 7. Bank charges Included in this item are the differences between the U.S. dues of some countries and the Canadian dollars in which they were paid. We are trying to eliminate this practice. 8. Net revenue As discussed last September; this unusual large surplus is caused by: a) the increase in I.C.S.U. grants of \$3,000. which had not been budgeted: b) the reduced Commission travel, probably caused by the fact that we had a General Assembly; c) a reduction in expected secretariat expenses (principally printing); d) a budgeted surplus of \$1,000.

THIRTEENTH GENERAL ASSEMBLY of the INTERNATIONAL UNION OF PURE AND APPLIED PHYSICS Dubrovnik, Yugoslavia 11-13 September 1969 Attendance Havens (Chairman) Academy-Research Council Delegation: Bromley, Herring, Koch, Wolfe-5 also Bacher, First Vice-President Total American Participation: 115 Total Participation: Number of Countries Represented: Officers Elected President: R.F. Bacher (USA) First Vice-President: H. Maier-Leibnitz(Germ. Fed. Rep.) G. Bernardini (Italy) re-election
S. Bhagavantam (India) re-election
W. Boas (Australia) re-election Vice Presidents: W. Dekeyser (Belgium) re-elction A. Kastler (France) L. Pal (Hungary)
S. Rozenthal (Denmark) re-election
V. Weisskopf (USA) D. I. Blokhintsev (USSR)
C. C. Butler (UK) re-election
L. Kerwin (Canada) re-election Past President on Exec. Comm.: Secretary General: Associate Secretary General: The chairmen, secretaries and members of Commissions were also elected. Representatives of IUPAP to other international organizations were designated. R. F. Bacher was designated the IUPAP representative on Exec. Comm. of ICSU. Administrative Actions Admissions: Cuba and South Korea were admitted: to the Union. Dues: Unit contributions increased from \$250 to \$300 (This increases the USA annual dues from \$3000 to \$3600)

## Comments on the IUPAP General Conference by W. W. Havens, Jr.:

Prior to the first meeting of the General Conference, the USA Delegation held a meeting with R. F. Bacher who had attended a meeting of the Executive Committee on Wednesday, the 10th of September. Bacher informed the Delegation that the Executive Committee had not accomplished nearly as much as expected because C. C. Butler, Secretary General of IUPAP, had not arrived until after lunch because of his unfortunately missing a plane connection. The meeting of the Executive Committee was rather rushed and adequate consideration could not be given to all points raised.

Bacher stated that he had raised the visa question, however no one on the Executive Committee except the USA Delegate was at all concerned about the visa problem and Bacher did not think this problem should be introduced at the General Assembly. Bacher was of the opinion that the USA Delegation had suggested too many candidates for membership on IUPAP Commissions. The large number of candidates suggested for the purpose of giving the Executive Committee some choice just led to confusion. In the future, Bacher thought it would be better to propose fewer candidates for membership on Commissions, and attempt to have the Commissions themselves propose USA candidates as well as USA candidates being proposed by the National Delegations.

The tradition of membership on IUPAP Commissions is for a man to have two 3-year terms, therefore unless a man resigns from a Commission he will be re-elected for a second term. In the future, the Chairman or the Secretary USA National Committee should determine at least one year in advance of the next meeting of the IUPAP General Conference, the names of the individuals whose terms are likely to expire and inform the USA member of the Commission. The USA member of the Commission should suggest to the Chairman of the Commission, with a copy to the USNC Secretary, an appropriate replacement for the individual whose term is likely to expire. In this way the individual whom the USA would like to nominate will be supported both by the Commissions themselves and by the USA National Delegation, increasing their probability of being appointed. Bacher thought there would be no difficulty in achieving the USA Delegation's objective of having at least one USA member on each of the Commissions, however the USA member might not be the individual the USA Delegation had suggested.

Bacher said that the Executive Committee like the suggestion that the USA Delegation had made about supporting meetings in three different categories, and suggested that a formal resolution be submitted by the USA Delegation at the General Conference. He also thought there would be no objections to changing the titles of the Low Energy Nuclear Physics Commission to the Nuclear Physics Commission and the High Energy Nuclear Physics Commission to the Commission on Particles and Fields, and suggested resolutions on these changes be introduced.

#### 1. Financial Commission

Robert Bacher, USA W. Dekeyser, Belgium

# 2. Commission on Symbols, Units and Nomenclature (SUN) 1948

Chmn. E. Rudberg, Sweden (1954)
Sect. U. Stille, W. Germ. (1954)
Memb. J. De Boer, Holland (1948)
E. Djakov, Bulgaria (1969)
M. L. McGlashen, U.K. (1969)
J. Rossel, Switz. (1959)
K. Shimoda, Japan (1969)
J. Terrien, France (1966)
H. C. Wolfe, USA (1957)
Corr. D. Ilkovic, Chech. (1969)
I.I. Novikov, USSR (1966)
L. Rosenfeld, Den. (1963)
L. Villena, Spain (1969)
G. M. Volkoff, Can. (1969)

# 3. Thermodynamics and Statistical Mechanics (1945)

Chmn. H. Frohlich, U.K. (1963)
Sect. P. Mazur, Holland (1966)
Memb. R. Kubo, Japan (1963)
L. Waldman, W. Germ. (1966)
E. Montroll, U.S. (1966)
C. Bloch, France (1966)
A. Abrikosoy, USSR (1969)
D. Betts, Canada (1969)
Corr. N. Trappeniers, Hol.(1966)
A. Patzer, Bulgaria (1966)
H. Wergeland, Nor..(1966)

## 4. Cosmic Rays (1947)

Chmn. J. G. Wilson, U.K. (1963)
Sect. M.G.K. Menon, Ind. (1963)
Memb. P. Meyer, U.S. (1966)
S. N. Vernov, USSR (1969)
B. Peters, Denmark (1969)
S. Somogyi, Hung. (1969)
J. Nishimura, Jap. (1969)
Corr. E. Bagge, W. Germ. (1969)
R. Gall, Mexico (1969)
C. Castognoli, It. (1969)
J. Gierula, Pol. (1969)

## 5. Very Low Temperature Commission

Chmn. J. Bardeen, USA (1963)
Sect. T. Sugawara, Jap. (1966)
Memb. N.A. Alekseevsky, USSR (1966)
S. Safrata, Chech. (1966)
W. Buchel, W. Ger. (1966)
J.L. Olsen, Switz. (1966)
K.W. Taconis, Holl. (1966)
B. Drefus, France (1969)
Corr. A.H. Cooke, UK (1969)
O.V. Lounasmaa, Fin. (1969)
A.K. Sredhan, India (1969)

## 6. Publications Commission 1949

Chmn. H.C. Wolfe, USA (1966)
Sect. J. Van den Handel, Hol. (1966)
Memb. J. Friedel, France (1969)
S. Pasternak, USA (1966)
T. Weyssenhoff, Pol. (1966)
B.R. Coles, UK (1966)
M. Matyas, Chech. (1969)
H.M. Lifshits, USSR (1969)
Corr. L. Villena, Spain (1966)
K. Kinoshita, Jap. (1966)
P. Papali, Italy (1969)
C. I. Pederson, UK (1969)
E. Brettnutz, W. Ger. (1969)
M. Mladjenovic, Yugo. (1969)

## 7. Acoustics

Chmn. I. Malecki, Pol. (1966)
Sect. D. Sette, It. (1966)
Memb. Y. Saneyosky, Jap. (1966)
E. Zweiker, W. Ger. (1966)
I. Hirsch, USA (1969)
A. Rimskii-Korsakov, USSR (1969)
T. Tarnoczy, Hung. (1969)
J. Mattei, Fr. (1969)
Corr. D.W. Robinson, UK (1966)
F. Kolmer, Czech. (1966)
F. Ingerselv, Den. (1951)
J Frenkiel, Belg. (1963)
J.L. Fucks, Argentina (1969)
A. Lara, Spain (1969)

### 8. Semi Conductors

Chmn. E.W.S. Mitchell, U.K. (1963)
Sect. J. Bok, France (1966)
Memb. H. Welker, W. Ger. (1966)
V.S. Vavilov, USSR (1966)
E. Kane, USA (1969)
H. Kawamura, Jap. (1969)

H. Kawamura, Jap. (1969)
Corr. J. Tank, Chech. (1966)
J. Auth, E. Ger. (1969)
R. Grigorovici, Rum.(1969)
H. Y. Fan, USA (1969)
G. C. Jain, India (1969)

#### 9. Magnetism

Chmn. W. C. Marshall, U.K. (1966)
Sect. G. T. Rado, USA (1966)
Memb. L. V. Kirenski, USSR (1966)
S. Chikazuni, Japan (1966)
E. Kneller, W. Ger. (1969)
C.J. Gorter, Holl. (1969)
Corr. L. Valenta, Chech. (1963)
R. Kubo, Japan (1966)
W. Andra, E. Ger. (1966)
A. Blandin, France (1969)
R. Pauthenet, Fr. (1969)
C. Herring, USA (1966)

## 10. Solid State

Chmn. W. Boas, Aust. (1963)
Sect. E.E. Bertaut, Fr. (1966)
Memb. A. Seeger, W.Ger. (1966)
T. Nagamia, Jap. (1966)
L.P. Gorkov, USSR (1966)
W.T. Merz, Switz. (1969)
Gy. Szigeti, Hung. (1969)
Cowley, U. K. (1969)
Corr. A. Guinier, France (1966)
S. S. Kochler, USA (1966)
E. Chisrotte, It. (1966)
R. Blinc (1969)
Kaisuz, Chech. (1969)
S. C. Jane, India (1969)

## 11. Particles and Fields

Chmn. A. A. Logunov, USSR (1969)
Sect. R. L. Walker, USA (1966)
Memb. P. Dzjelepov, USSR (1966)
K. Lanius, E. Ger. (1966)
S. Suwa, Japan (1966)
T.G. Pickavance, UK (1963)
G. Salvini, It. (1969)
C. N. Yang, USA (1969)
Corr. J. Pniewski, Poland (1969)
A. Logarrique, Fr. (1969)
G. Ekspong, Swed. (1969)
Y. Neeman, Israel (1969)
B. M. Vogaoukai, Ind (1969)
G. Joos, W. Ger. (1969)

#### 12. Nuclear Physics

Chmn. R. E. Bell, Canada (1966)
Sect. J. Teillac, France (1963)
Memb. T. Lauritsen, USA (1966)
G. R. Bishop, UK (1966)
R. Ramanna, India (1966)
E. M. Frank, USSR (1967)
S.G. Cohen, Israel (1966)
H. Schopper, W. Ger. (1966)
J. Fowler, USA (1966)
M. Sakai, Japan (1969)
Ricci, Italy (1969)
I. Slaus, Yugo. (1969)
E. Baumgartner, Switz. (1969)

## 13. Atomic Masses

Chmn. A.H. Wapstra, Holl. (1960)
Sect. E.R. Cohen, USA (1966)
Memb. W.H. Johnson, USA (1966)
I. P. Selinov, USSR (1966)
J. Terrien, Fr. (1966)
H.H. Staub, Switz. (1966)
J.H. Sanders, U.K. (1969)
J.H. Bjerregaard, Den. (1969)
Corr. V. Stille, W. Ger. (1960)
H. Duckworth, Canada (1960)
W. Buechner, USA (1960)
K. Og ata, Japan (1966)
J. Mattauch, W. Germ. (1966)

#### TENTATIVE LIST OF COMMISSION MEMBERS (cont.)

#### 14. Physics Education

Chmn. H.H. Staub, Switz. (1966)
Sect. W.C. Kelly, USA (1966)
Memb. W. Schaeffer, S. Ar. (1966)
L. Kothari, Ind (1969)
M.Y. Bernard, France (1969)
J. Lewis, U.K. (1969)
A. Harashima, Japan (1969)
W. Kroebel, W. Ger. (1969)
Corr. J. Werle, Poland (1969)
E. Nagy, Hungary (1969)
P. Fleury, France (1960)
M. Valouch, Chech. (1969)
USSR (1969)

## 15. Atomic and Molecular Physics and Spectroscopy

Chmn. A. Kastler, France (1966)
Sect. W. Fite, USA (1966)
Memb. W.C. Price, UK (1966)
H.L. Welsh, Canada (1969)
L. M. Branscomb, USA (1966)
N. Y. Fedorenko, USSR (1966)
M. Seaton, U.K. (1966)
Corr. G. Herzberg, Canada (1966)
J. Hertz, E. Ger. (1969)
I. Kovacs, Bulgaria (1969)
Noorman, Holland (1969)
T. Skalinski, Poland (1969)
K. Eakayanai, Japan (1969)

## 16. Plasma Physics (1969)

Chmn. L.A. Artsimovich, USSR (1966)
Sect. S. Brown USA (1966)
Memb. H. Maecher, W. Ger. (1966)
R.F. Post, USA (1966)
H. Alfaen, Swed.
K. Husimi, Japan (1969)
I. Popesiu, Rum. (1969)
R.S. Plase (1969)
Corr. Bhatnagor, India (1969)
Pekarek, Chech (1969)
L. Rothardt, E. Ger. (1969)
Braams, Netherlands (1969)
Bruneli, Italy (1969)
Telcroix, France (1969)
Weidel, Switzerland (1969)

I.U.P.A.P. Executive Committee Minutes of the meeting of September 10th, 1969 (pre-General Assembly) Dubrovnik, Yugoslavia. I - The Executive meeting convened at 10:15 in the Trade Union Building of the old city. President Blokhintsev presided. Were also present: Prof. Robert BACHER, Dr. S. BHAGAVANTAM, Dr. Walter BOAS, Prof. M. DANYSZ, Prof. W. DEKEYSER, Prof. S. ROZENTAL, Sir Gordon SUTHERLAND, Prof. C.C. BUTLER (from item IX to the end), and Prof. L. KERWIN. Also in attendance was Mr. KOCHETKOV, secretary and interpreter for Prof. Blokhintsev. II - President Blokhintsev welcomed the members to Dubrovnik and to the meeting. III - On a question of privilege, Dr. Boas raised the point of members of the Executive Committee being represented not only in this capacity but also as members of their national delegations, and inquired as to the possibility of a conflict of interest. The President reminded members of tha Executive that they had been elected by the General Assembly as delegates of the General Assembly and did not represent their national delegations at the Executive. He further stated that it was not desirable that Executive members be members of national delegations for voting purposes, although it was customary for some national delegations to include their names on its list. IV - The Associate Secretary-General presented a consolidated audited account for the three-year period 1966-1968. The yearly statements had all bean examined previously and the Executive approved the three-year consolidation. V - The Associate Secretary-General then presented the state of the 1969 budget. This promised to show a surplus of about \$9,000. caused principally by an unexpected increase in the ICSU allotment, and an equally unexpected decrease in Commissions travelling requirements. He also reported the matter of a request for an increased grant by the organizers of the Accelerator Conference in the USSR. Members of the Executive consider that this was undesirable, left the final decision to the Secretary-General and the Associate Secretary-General who would review the circumstances. 000 2

000 3 XI - The Secretary-General reported on the measures taken to secure nominees to the various inter-unions and ICSU commissions. He reported that the joint commission on Applied Radisactivity had been abolished by ICSU. A slate of proposed nominees to these various commissions was agreed upon, to be circulated among the delegates prior to the General Assembly. XII - The Secretary-General presented a report on the international conferences presented for sponsorship and, in many cases, grants by the various commissions, and saveral requests for sponsorship which had been made directly to the Executive Committee. A list of those for which the Executive Committee recommended sponsorship was agreed upon to be presented to the General Assembly. The awarding of grants was deferred until after the General Assembly had acted. A short list of proposed conferences for 1971 was also approved for presentation to the General Assembly. XIII - The Secretary-General reviewed a number of miscellaneous items which were to come up before the General Assembly. a) A proposal for the exchange of information between commissions and member countries (Hungary); The Executive thought that this proposal would require far too much detailed work by the Secretaries of the Commissions, and would recommend to the General Assembly that a less detailed exchange be recommended. b) Criteria for the sponsorship of the conferences: It was agreed to submit the paper prepared by the Associate Secretary-General for the approval of the General Assembly. c) Categories for international conferences (USA); The Executive agreed that this procedure would be useful. d) Lisison with European Physical Society; It was agreed that this should be done on a formal basis and that Prof. Butler be the Union's delegate to the E.P.S. e) Recommendations by the Education Commission concerning teaching and research; The Executive saw no objection to this recommendation being brought before the General Assembly. XIV - The meeting was adjourned. Larkin Kerwin, Associate Secretary-General

I.U.P.A.P. **Executive Committee** Minutes of the meeting of September 13th, 1969 (post-General Assembly) Dubrovnik, Yugoslavia. The meeting convened at 14:30 with President Blokhintsev in the Chair. Present were: Prof. Robert BACHER, Dr. S. BHAGAVANTAM, Prof. W. BOAS, Prof. M. DANYSZ, Prof. W. DEKEYSER, Prof. S. ROZENTAL, Sir Gordon SUTHERLAND, Prof. C.C. BUTLER, Prof. L. KERWIN, as well as new members of the Executive Committee: Prof. L. PAL, and Prof. Alfred KASTLER. II- The minutes of the September 1968 meeting held in London were approved, one correction being noted (page 4, the name Julich to be substituted for Tiflis). III- Place of the 1970 Executive meeting was discussed and it was agreed to accept the kind invitation of Prof. S. Rozental to meet in Copenhagen, at the Niels Bohr Institute. Dates of the meeting would be Friday and Saturday, September 25th and 26th. IV- The budget for 1970 was approved (see Appendix I). It was agreed to budget \$38,000. for conferences, as well as for a surplus of \$2,000. V- The list of conferences to be sponsored for 1970 as received for the General Assembly was examined and the budget of \$38,000. distributed among them (see Appendix II). The main problem arose in the matter of the Cosmic Ray Conference to be held at Hobart, Australia. Several members of the Executive questioned the wisdom of holding an international conference there as well as the heavy expenditure proposed. It was decided to write to the Cosmic Ray Commission suggesting that they recommend which amount of their three-year allocation for 1970-71-72 they wish to set aside for this Conference. It was felt that this financial problem might influence the site proposed.

. . . 2 VI-The Executive nest took up the matter of the publishing of its tri-annual book of general information. The nature of the content to be included was reviewed and it was noted: a) that the criteria of conference sponsorship should be included; b) that as much matter as possible should be placed in appendices so as to reduce the content that would be bilingual; c) that more information on commissions and their membership might be included. VII- The Executive then spent considerable time discussing its relations with ICSU, the theme of the discussion being the desirability of greater contacts with the Council and greater participation in its activity. Among other things, suggestions were made concerning: a) greater liaison (more systematic exchange of documents; the problem of having ICSU's meetings at more suitable dates to permit IUPAP's attendance, etc.); b) conflict of dates (it was agreed to try and have ICSU and IUPAP plan their meetings for 1972 unwards, with a view to meeting in the same city on succeeding dates so as to permit greater IUPAP participation. It was felt that this could be extended to other unions and gradually quasi-simultaneous meetings of many unions might be held just prior to or following ICSU meetings); c) it was agreed to seek up opportunities for nominating IUPAP members to office in ICSU with an eye to some time in the future nominating an ICSU president; d) it was agreed that Dr. Boas would be the Union delegate to the coming ICSU Executive meeting in Erevan and that the Secretariat would immediately contact the ICSU office in Rome to make the necessary arrangements. (subsequently, the ICSU office was contacted and the necessary arrangements were made). VIII- It was agreed that Norway, Switzerland, and the USSR should be pressed to accept more shares in the Union, in line with policy previously outlined by the Executive. The lieu of the 1972 General Assembly was then considered. Invitations had been received from Washington, from Stockholm, from East Germany, and from Spain. On the credit side, all of these cities were very attractive, would insure good arrangements for the delegates and the secretariat, and had extended cordial and warm invitations. On the debit side, Washington might prove a bit costly, Stockholm had been visited recently by the Executive, a meeting in East Germany would follow immediately upon a General Assembly meeting in an Eastern European country, and the weather in Madrid might be inclement. A consensus of opinions was that the Executive might decide on Washington, but the final decision was deferred until the Copenhagen meeting. ... 3

XII- President Blokhintsev expressed the thanks of the Executive to the Yugos-lavian hosts for their warm welcome and their generous hospitality to the members of the Executive Committee.

He also expressed his gratitude to the members of the Executive Committee for their collaboration during his term of office as well as his warm best wishes to his successor, Prof. Robert Bacher.

XIII- The meeting then adjourned.

Larkin Kerwin, Associate Secretary-General

1UPAP I.U.P.A.P. Executive Committee Minutes of the meeting of September 10th, 1969 (pre-General Assembly) Dubrovnik, Yugoslavia. I - The Executive meeting convened at 10:15 in the Trade Union Building of the old city. President Blokhintsev presided. Were also present: Prof. Robert BACHER, Dr. S. BHAGAVANTAM, Dr. Welter BOAS. Prof. M. DANYSZ, Prof. W. DEKEYSER, Prof. S. ROZENTAL, Sir Gordon SUTHERLAND, Prof. C.C. BUTLER (from item IX to the end), and Prof. L. KERWIN. Also in attendance was Mr. KOCHETKOV, secretary and interpreter for Prof. Blokhintsev. II - President Blokhintsev welcomed the members to Dubrovnik and to the meeting. III - On a question of privilege, Dr. Boas reised the point of members of the Executive Committee being represented not only in this capacity but also as members of their national delegations, and inquired as to the possibility of a conflict of interest. The President reminded members of the Executive that they had been elected by the General Assembly as delegates of the General Assembly and did not represent their national delegations at the Executive. He further stated that it was not desirable that Executive members be members of national delegations for voting purposes, although it was customary for some national delegations to include their names on its list. IV - The Associate Secretary-General presented a consolidated audited account for the three-year pariod 1966-1968. The yearly statements had all been examined previously and the Executive approved the three-year consolidation. V - The Associate Secretary-General then presented the state of the 1969 budget. This promised to show a surplus of about \$9,000. caused principally by an unexpected increase in the ICSU allotment, and an equally unexpected decrease in Commissions travelling requirements. He also reported the matter of a request for an increased grant by the organizers of the Accelerator Conferance in the USSR. Members of the Executive consider that this was undesirable, left the final decision to the Secretary-General and the Associate Secretary-General who would review the circumstances. ... 2

I.U.P.A.P. Executive Committee Minutes of the meeting of September 13th, 1969 (post-General Assembly) Dubrovnik, Yugoslavia. I - The meeting convened at 14:30 with President Blokhintsev in the Chair. Present were: Prof. Robert BACHER, Dr. S. BHAGAVANTAM, Prof. W. BOAS. Prof. M. DANYSZ, Prof. W. DEKEYSER, Prof. S. ROZENTAL, Sir Gordon SUTHERLAND, Prof. C.C. BUTLER, Prof. L. KERWIN, as well as new members of the Executive Committee: Prof. L. PAL, and Prof. André KASTLER. II - The minutes of the September 1968 meeting held in London were approved, one correction being noted (page 4, the name Julich to be substituted for Tiflis). III - Place of the 1970 Executive meeting was discussed and it was agreed to accept the kind invitation of Prof. S. Rozental to meet in Copenhagen, at the Niels Bohr Institute. Dates of the meeting would be Friday and Saturday, September 25th and 26th. IV - The budget for 1970 was approved (see Appendix I). It was agreed to budget \$38,000. for conferences, as well as for a surplus of \$2,000. V - The list of conferences to be sponsored for 1970 as received for the General Assembly was examined and the budget of \$36,000. distributed among them (see Appendix II). The main problem arose in the matter of the Cosmic Ray Conference to be held at Hobert, Australia. Several members of the Executive questioned the wisdom of holding an international conference there as well as the heavy expenditure proposed. It was decided to write to the Cosmic Ray Commission suggesting that they recommend which amount of their three-year allocation for 1970-71-72 they wish to set aside for this Conference. It was felt that this financial problem might influence the site proposed. 000 2

... 3 X - Prof. Kastler raised the point of the planning of commission traval expenses. It was pointed out that these were now arranged on a three-year basis. XI - Prof. Kastler raised some questions concerning the voting procedure used at the General Assembly. He expressed the feeling that many delegates would prefer to use a formal balloting procedure on some questions. While this was provided for in the Union's Statutes, in practice the counting of ballots presented some technical difficulty. It was agreed that the Sacretariat would study this matter and bring forth recommendations at the Copenhagen meeting. XII - President Blokhintsev expressed the thanks of the Executive to the Yugoslavian hosts for their warm welcome and their generous hospitality to the members of the Executive Committee. He also expressed his gratitude to the members of the Executive Committee for their collaboration during his term of office as well as his warm best wishes to his successor, Prof. Robert Bacher. XIII - The meeting then adjourned. Larkin Kerwin, Associate Secretary-General

#### NEW COMMISSION: PLASMAS

A new international Commission - on Plasma Physics - was created at the Dubrovnik General Assembly of IUPAP in September.

For many years, an international committee has organized highly successful conferences on ionized gases. At the 1966 General Assembly, this field of Physics was given representation as a sub-commission of the international Commission on Atomic and Molecular Physics and Spectroscopy. At the unanimous request of the Ionized Gases Committee and with the approval of the AMPS Commission, the Plasma group has now been given Commission status.

It will be responsible for coordinating Union activities in the general field of plasmas and ionized gases, and for recommending various international conferences for Union sponsorship.

The President of the new Commission is Dr. L.A. ARTSIMOVICH, while its Secretary is Prof. S.C. Brown. Drs. H. Maecker, R.F. Post, R.S. Peace, H. Alfen, K. Husimi, and I. Popescu are Commission Members.

Drs. I. Bhatnager, E.K. Pekarpk, L. Rothhardt, M. Braans, M. Brunelli, J.L. Delcroix, and E. Weibel are corresponding members.

#### NEW JOURNAL : "FIZIKA"

The first issue of a new Physics Journal "Fizika" - was presented to delegates to the
IUPAP General Assembly in September. The
Journal is published jointly by the Yugoslav
National Committee for IUPAP and the Yugoslav
Union of Mathematical and Physical Societies.
Editor of the Journal is Prof. A. Moljk of
the University of Ljubljana. Papers are
published in several languages, the first
issue containing articles on a wide variety
of fields of Physics. "Fizika" is the first
regular Physics Journal to be published by a
IUPAP National Committee.

#### NEW PRESIDENT: Robert BACHER

Professor Robert Bacher, Provost of the California Institute of Technology, was elected to succeed Prof. D.I. Blokhintsev of the U.S.S.R. as President of IUPAP at the Dubrovnik General Assembly. Prof. Bacher becomes the 10th President, since Union reorganization in 1922.

Prof. H. MEIER-LEIBNITZ of West Germany was elected first Vice-President. Prof. Meier-Leibnitz is currently director of the joint France-West Germany Nuclear Laboratory at Grenoble.

New Vice-Presidents are: Prof. André KASTLER (France), Prof. L. PAL (Hungary), and Prof. Victor WEISSKOPF (USA).

Prof. Clifford BUTLER, F.R.S., was reelected to the office of Secretary-General.

#### NEW NAMES: the NUCLEAR COMMISSIONS

Designation of the Nuclear Commissions has been changed by the General Assembly as a result of a resolution introduced by the US delegation.

The Commission on Low Energy Nuclear Physics will henceforth be known as the INTERNATIONAL COMMISSION for NUCLEAR PHYSICS, while that on High Energy Nuclear Physics will be called the INTERNATIONAL COMMISSION on PARTICLES and FIELDS.

#### NEW MEMBER: SOUTH KOREA

South Korea was unanimously voted in as IUPAP's 38th member country at the 13th General Assembly South Korea will have one unit and one vote in the Union.

The Assembly also ratified the membership of Cuba, previously admitted by Executive action.

#### NEWS.

Following News-Bulletin No. 13, please note the dates of the following conferences:

Radiation Damage (13a): August 24-26
Precision Measurements (14): August 3-7
Semiconductor Heterojunctions (15):

October 11-17,

UNION OF PURE AND APPLIED PHYSICS

Bulletin no 13

octobre 1969 October

#### I.U.P.A.P.

At the General Assembly held in Dubrovnik, Yugoslavia, in September, Union delegates extend the patronage of the Union to the following international conferences to be held in 1970.

Where no source of information is listed, inquiries should be directed to the Secretary of the appropriate international Commission.

PLEASE KEEP THIS ISSUE OF THE

NEWS-BULLETIN FOR REFERENCE

## U.I.P.P.A.

IVPAP

Lors de la récente Assemblée générale de l'Union tenue à Dubrovnik, Yougos-lavie, en septembre, les délégués ont accordé l'appui de l'Union aux congrès internationaux de 1970 dont la liste apparaît ci-après.

Dans le cas où on ne mentionne pas de source d'information particulière, les intéressés sont priés de s'adresser au Socrétaire de la Commission internationale appropriée pour obtenir des renseignements supplémentaires.

JE VOUS PRIE DE CONSERVER CE

NUMÉRO DU BULLETIN DE NOUVELLES

POUR FINS D'INFORMATION ET DE

RÉFÉRENCE.

# INTERNATIONAL UNION of PURE and APPLIED PHYSICS UNION INTERNATIONALE de PHYSIQUE PURE et APPLIQUÉE

### Liste des congrès approuvés en 1970 Conferences approved for 1970

1.	Second International Conference on ATOMIC PHYSICS	Oxford U.K.	July 21-24
	Organized by: Dr. G.K. Woodgate, Department of Physics, Clarendon Laborate Parks Road, Oxford, ENGLAND.		
	Symposium on POLARISATION PHENOMENA in NUCLEAR REACTIONS	Madison Wisconsin	August 31-
	Chairman: Prof. Barshall	U.S.A.	Sept. 4
	Information: (Low Energy) Nuclear Physics Commission c/o Prof. J. Teillac, secretary, Laboratoire Joliot-Curie,		

3.	HYPERFINE INTERACTIONS DETECTED by NUCLEAR RADIATION	Rehovoth
	Information: (Low Energy) Nuclear Physics Commission	Israel

Faculté des Sciences d'Orsay,

Orsay 91, FRANCE.

4.	ANGULAR CORRELATIONS in NUCLEAR PHYSICS	Delft	1st week	
	Organized by: Dr. B. van Nooijen, Technische Hogeschool Delft, Dept. of Experimental and Nuclear Phys Berlageweg 15, Delft, HOLLAND.	Holland	Sept.	

5. International Conference on MAGNETISM		Grenoble	Sept.
	Chairman: Professor L. Néel, Laboratoire d'Électrostatique et de	France	14-19
	Physique du Métal,		
	Casier postal no 166,		
	Grenoble-Gare 38, FRANCE.		

5a.	The DENSITY of ELECTRONIC CHARGE and SPIN  Chairman: Dr E.F. Bertaut,  Laboratoire d'Électrostatique et de Physique  Cedex no 166, Grenoble-Gare 38, FRANCE.	Aussois France du Métal,	Sept. 7-12
5b.	MAGNETIC THIN FILMS  Chairman: Prof. L. Valenta,	Prague Czechoslovakia	Sept. 21-23
6.	International Working Seminar on the ROLE of HISTORY of PHYSICS in PHYSICS EDUCATION  Chairman: Prof. A.L. King,  Dartmouth College,  Hanover, New Hampshire 03755, U.S.A.	MIT - Cambridge Mass. U.S.A.	July 13-17
7.	Int. Congress on the EDUCATION of TEACHERS of PHYSICS in SECONDARY SCHOOLS  Chairman: Prof. E. Nagy,	Eger Hungary	Sept. 11-17
8.	XVth International Conference on HIGH ENERGY PHYSICS  Organized by Prof. V.P. Dzhelepov,  Joint Institute for Nuclear Research,  Head Post Office, Box No. 79, Moscow, L	USSR SSR.	Summer
9.	STATISTICAL MECHANICS  Organized by Dr. E. Braun and Dr. A. Morales, Comision Nacional de Energia Nuclear, Av. Insurgentes Sur 1079, Apartado Postal no. 27-190, Mexico 18 D.	Mexico	October 19-24
10.	12th International on LOW TEMPERATURE PHYSICS LT-12  Organized by: T. Sugawara,	Kyoto Japan PAN.	Sept. 4-10

10a.	TRANSPORT PROPERTIES of SOLIDS	Sydney Australia	August 27-29
	Organized by: Dr. G.K. White,  CSIRO - Division of Physics,  Sydney University Grounds,  Chippendale, NSW 2008, AUSTRALIA.		
11.	DÉCHARGES et ISOLEMENT ÉLECTRIQUES dans le VIDE	Waterloo	Sept.
	Information: Dr. Max Goldman, Laboratoire de Synthèse atomique et d'Optique protonique,	Canada	
	67, rue Maurice-Günsbourg, Ivry-sur-Seine 94, FRANCE.		
12.	IVth International Congress on RADIATION RESEARCH	Évian	June 28
	Information: Secrétariat du IVe Congrès de Radiologie, c/o Wagon-Lits Cook, 16 rue du Mont-Blanc, Casier postal 230, CH-Genève, SWITZERLAND,		July 4
	(Secretary of International Association for Radiation Research: Dr. R.F. Kimball, Biology Division, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tennessee 37831, U.S.A.).		
13.	SEMI_CONDUCTORS	Boston	August
	Information: Semi-Conductors Commission, c/o Prof. E.W.J. Mitchell, secretary, J.J. Thomson Physical Laboratory, Whiteknights Park, Reading, Berkshire, ENGLAND.	Mass, U.S.A.	17-21
13a.	RADIATION DAMAGE	Albany	July
	information: Semi-Conductors Commission	New York, USA	
14.	PRECISION MEASUREMENTS and FUNDAMENTAL CONSTANTS	Gaithersberg Maryland, USA	October 5-10
	Organized by Dr. L. M. Branscomb, A-363 Physics Building, National Bureau of Standards, Washington, D.C. 20234, U.S.A.	maryrand, oun	

15. The PHYSICS and CHEMISTRY of SEMICONDUCTOR HETEROJUNCTIONS

Budapest Hungary

Organized by: Dr. G. Szigeti

Information: Semi-Conductors Commission

c/o Prof. E.W.J. Mitchell, secretary, J.J. Thomson Physical Laboratory,

Whiteknights Park, Reading, Berks. ENGLAND.

16. METASTABLE ALLOYS

Brelo Yugoslavia

Sept.

Information: Solid State Commission

c/o Prof. Walter Boas, secretary, Division of Tribophysics, C.S.I.R.O., University of Melbourne, Parkville 3052,

Victoria, AUSTRALIA.

17. X-RAY SPECTROSCOPY

Paris France

Information: Mlle Yvette Cauchois,

Laboratoire de Chimie physique, 11, rue Pierre et Marie Curie, Paris Ve, FRANCE.

18. International Conference on THERMODYNAMICS

Cardiff Wales, U.K.

April

Organized by Professor P.T. Landsberg,

Dept. of Applied Mathematics and Mathematical Physics, University College of South Wales and Monmouthshire,

Cathays Park, Cardiff CF1 3NR, UNITED KINGDOM.

19. HOLOGRAPHY

Besançon France July

CIO Conference organized by Prof. J. Vienot,
Département de Physique,
Université de Besançon,
8, rue de la Convention,
Besançon, FRANCE.