

long average duration of studies, more than six years for the first degree which, when compared on an international basis, is regarded as equivalent to a Master's degree. This contributes to the high average age of graduation (more than 28 years). Moreover, the federal ministry also took the initiative in the late 1980s

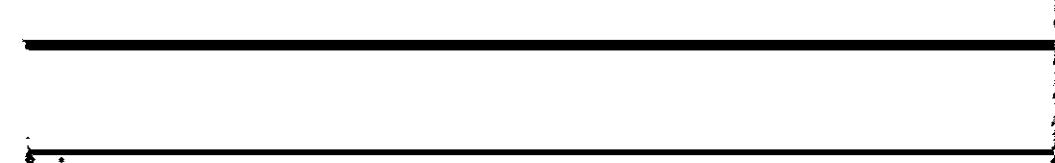


Promotion of Scientific Research

According to the *Basic Law*, the promotion of scientific research was initially a federal duty in terms of legislation, but not necessarily in terms of funding. Schemes were introduced in the 1950s and 1960s to make the federal govern-

Curricula and Examinations

Curricula have always been the domain of the individual institutions with the exception of those courses leading to the state examination (especially teacher



higher education are identical for all German *Länder* — except for wage

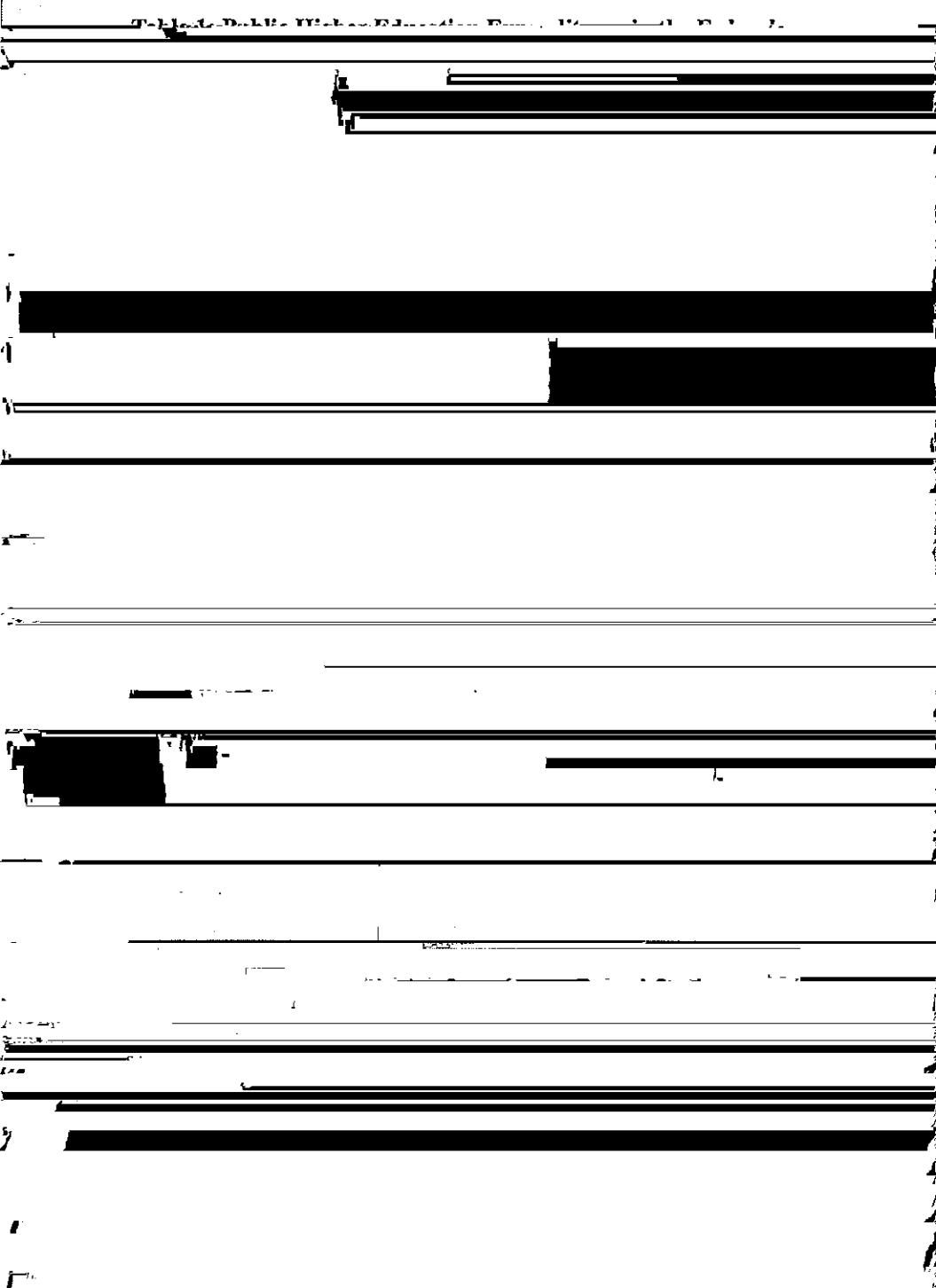


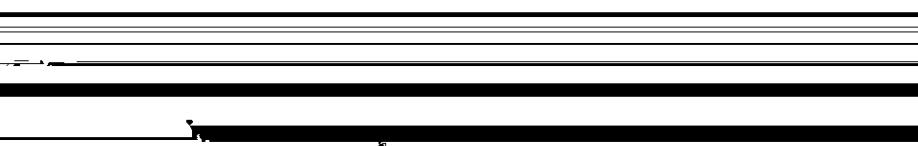
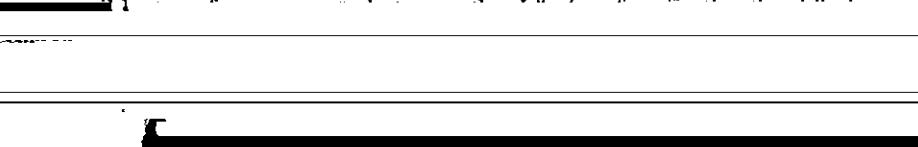
Table 2: Sources of Research Grants awarded to Institutions of Higher

	1980	1981	1982	1983
Research grants (millions of Deutschmarks)	651	1,155	1,709	2,309
Percentage of grants among estimated research budget of higher education institutions	18.6	25.1	29.2	34.5

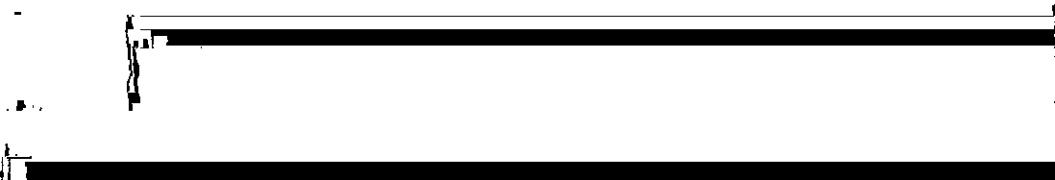
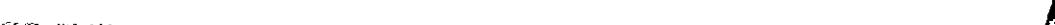
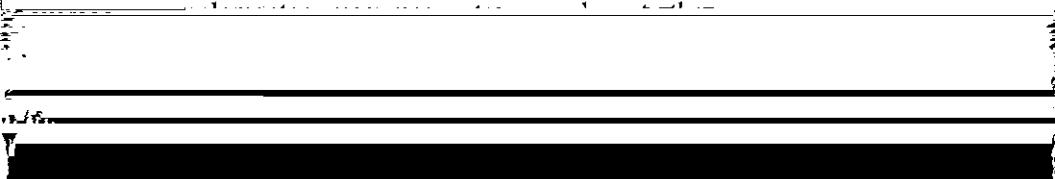
Sources of Research Grants (percent)

Private sector 11.9 5.5 11.3 21.7

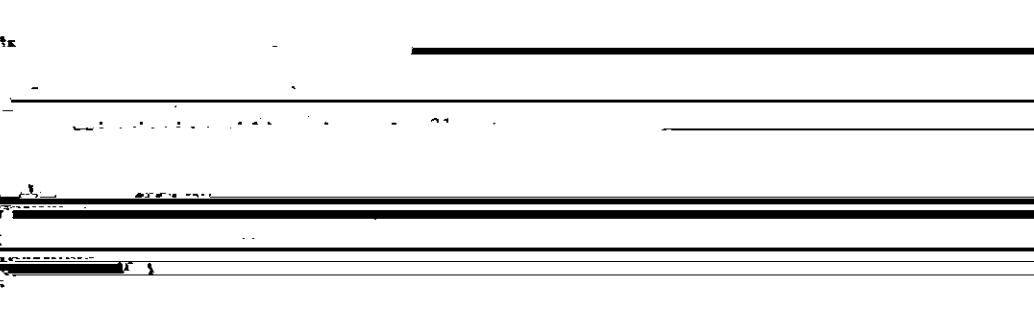
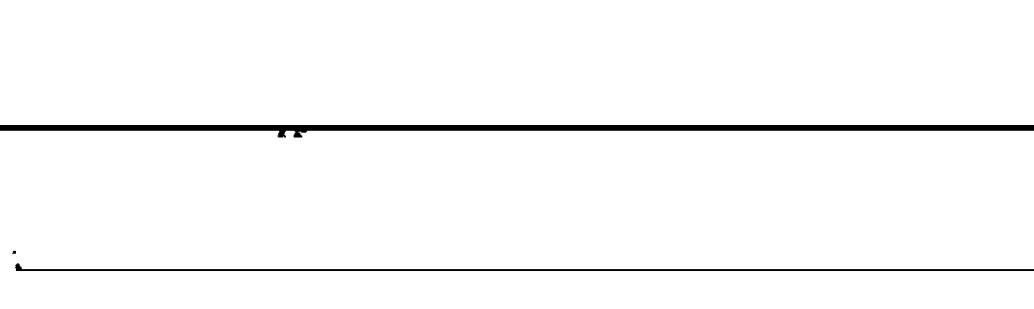
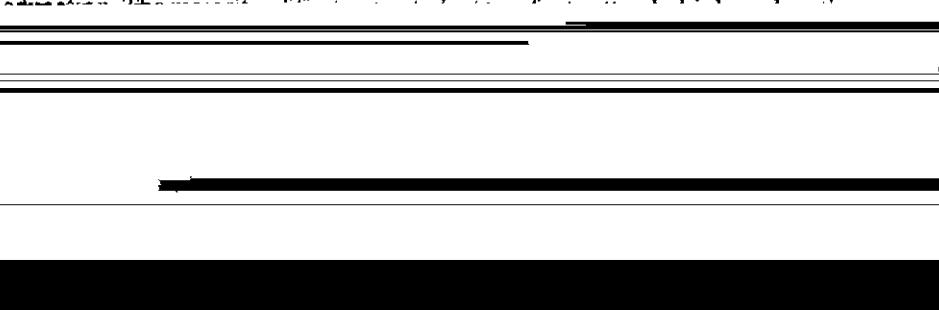
No analysis of higher education financing can regard federal funds merely



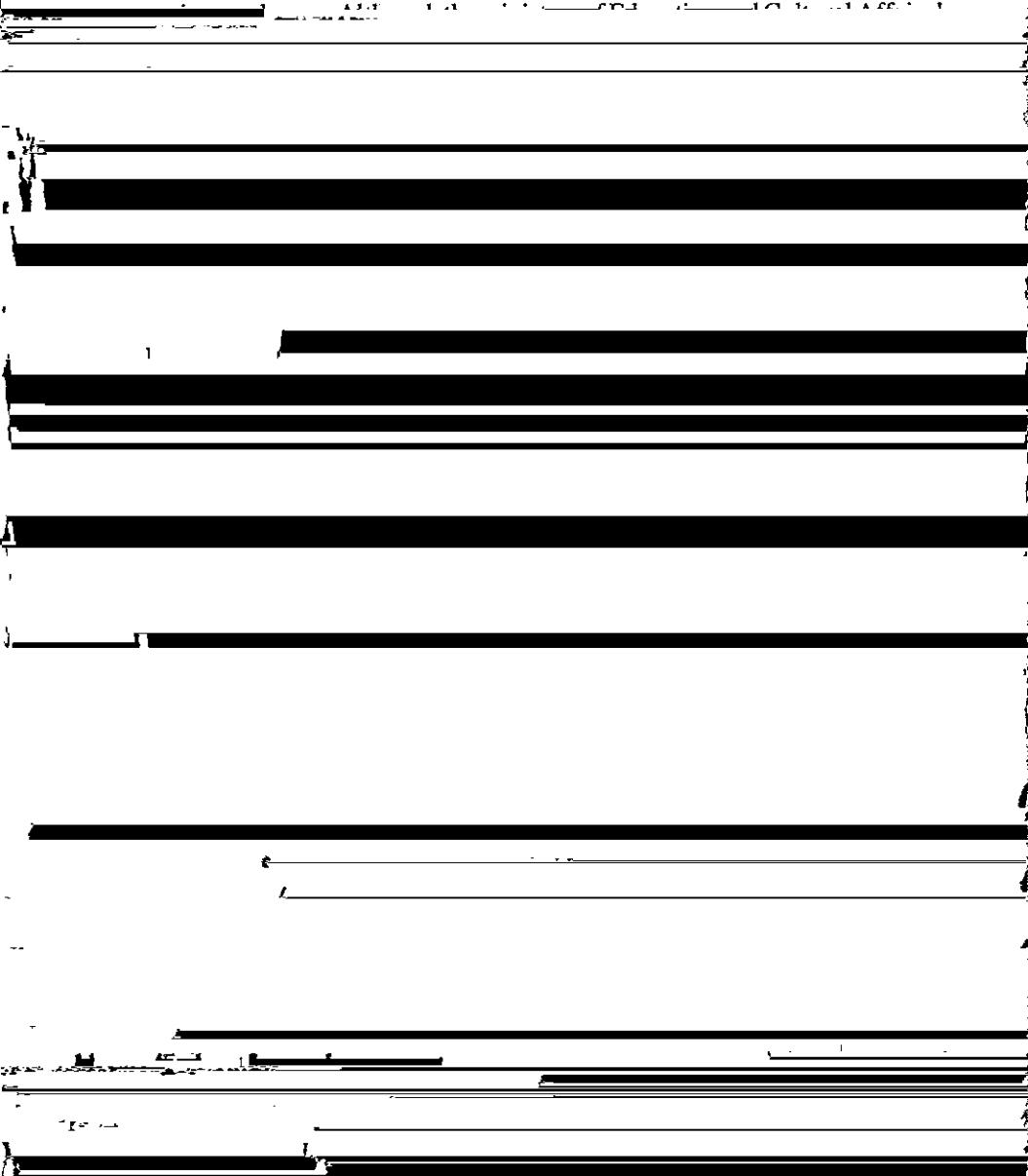
an average share of funds will make a great effort — also by providing



fees. In principle they are entitled to study at any German institution of higher



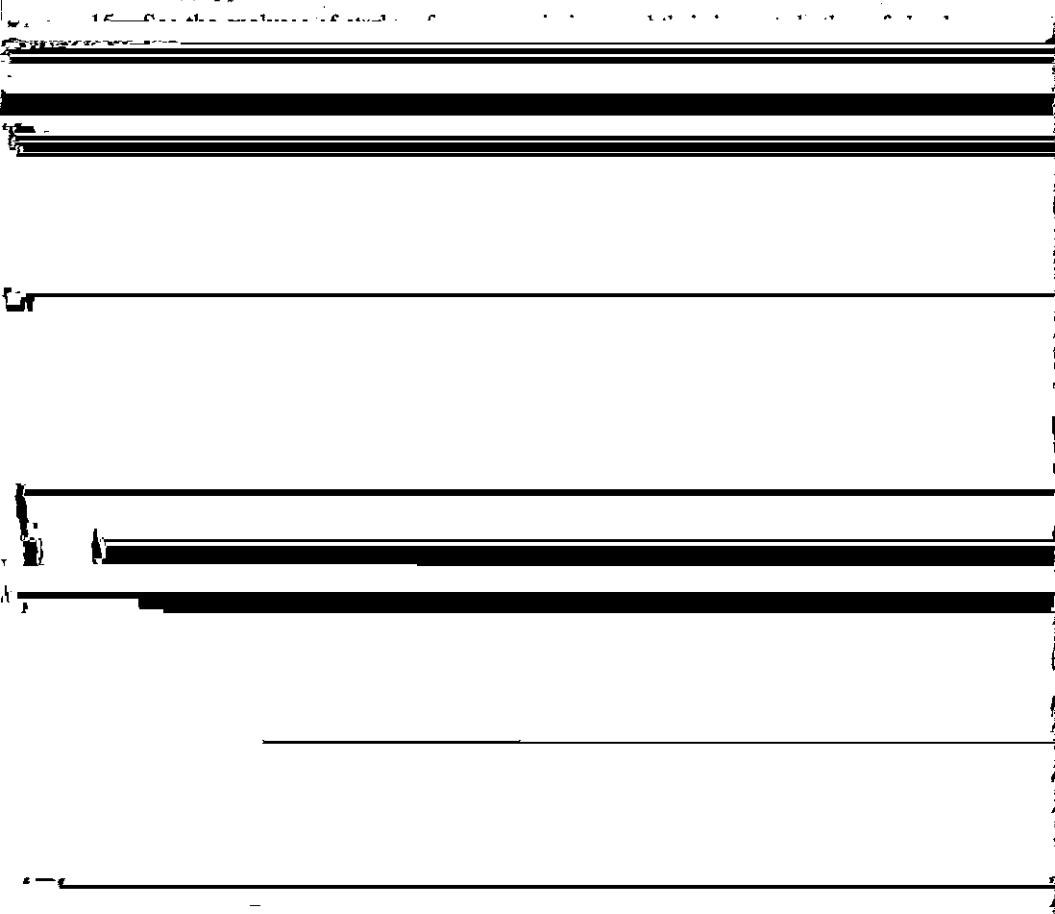
studies and subsequently work anywhere in the Federal Republic of Germany. Certain restrictions exist only in those professions where governments are the

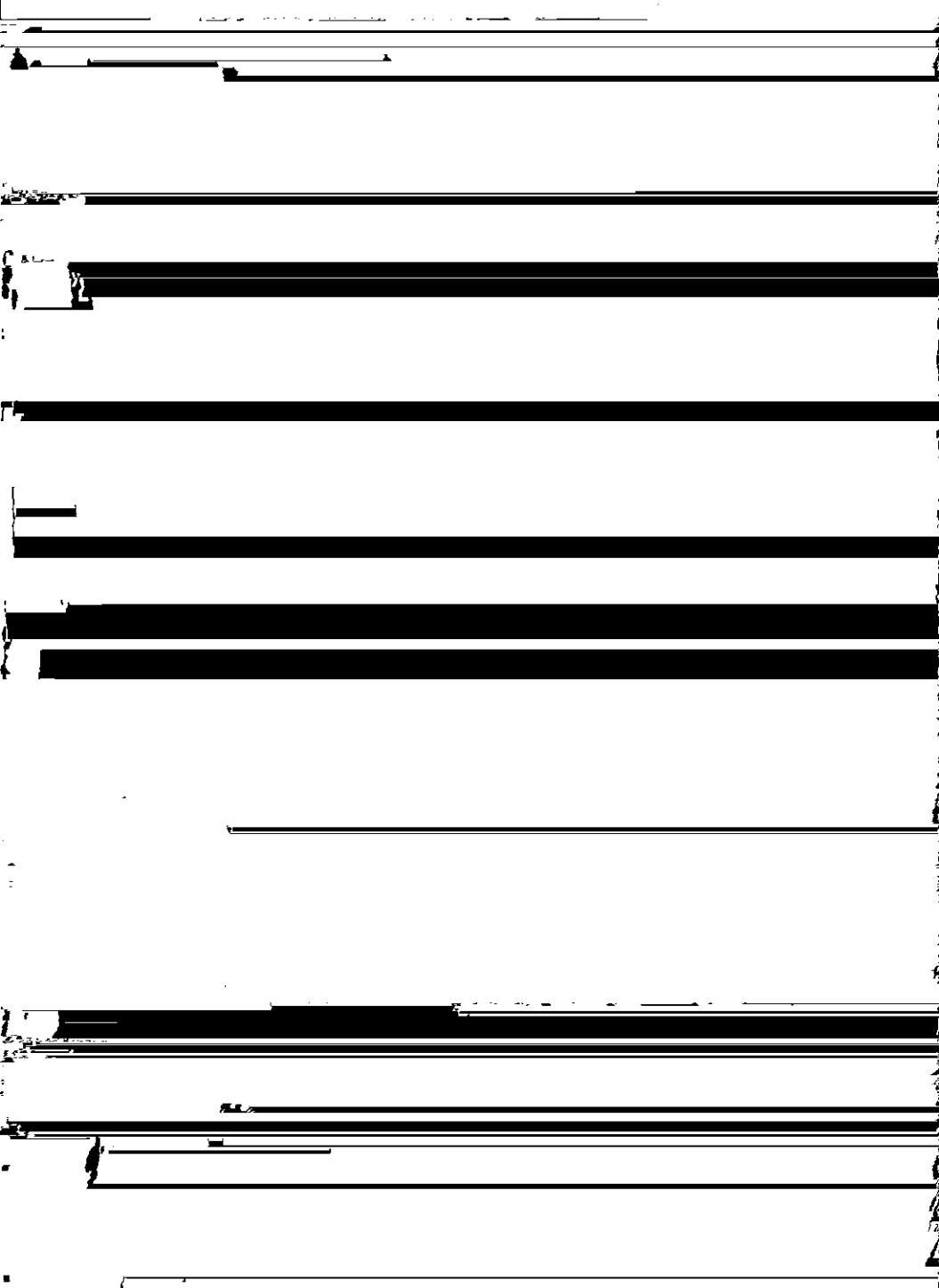


Cultural diversity is permissible but it is generally considered undesirable to establish regional barriers concerning access to education and to any form of



Christoph Oehler, *Hochschulentwicklung in der Bundesrepublik seit 1945* (Frankfurt and New York: Campus, 1989); Dietrich Goldschmidt, "Hochschulpolitik 1945-1989," in *Die Bundesrepublik Deutschland*, W. Benz, ed., vol. 1 (Frankfurt, 1990), 254-280.

14. See Aylâ Neusel and Ulrich Teichler, "Comprehensive Universities — History, Implementation Process and Prospects," in Harry Hermanns, Ulrich Teichler and Henry Wasser (eds.), *The Complete University* (Cambridge, MA: Schenkman, 1983), pp. 175-95.
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Higher Education in Federal Systems: Belgium

Ignace Hecquet

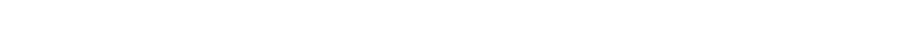
FEDERALISM IN BELGIUM¹

Some Background

In organizing the transfer of all jurisdiction over education to the Communities, the constitutional reform of 1988 embodies, from the standpoint of the purposes of this colloquium, an essential stage in the as yet incompletely completed process of federating the Belgian state. If we accept that a state cannot be truly federal without genuine financial autonomy for its constituent entities, the January

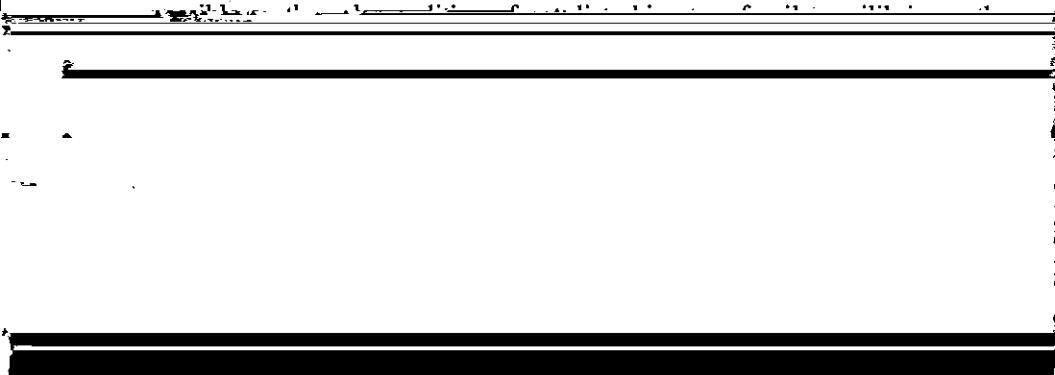
In terms of the distribution of powers among the three levels of government — state, Communities and Regions — the legislators opted for a system of

Jurisdiction devolved to the Regions consists principally of regional develop-



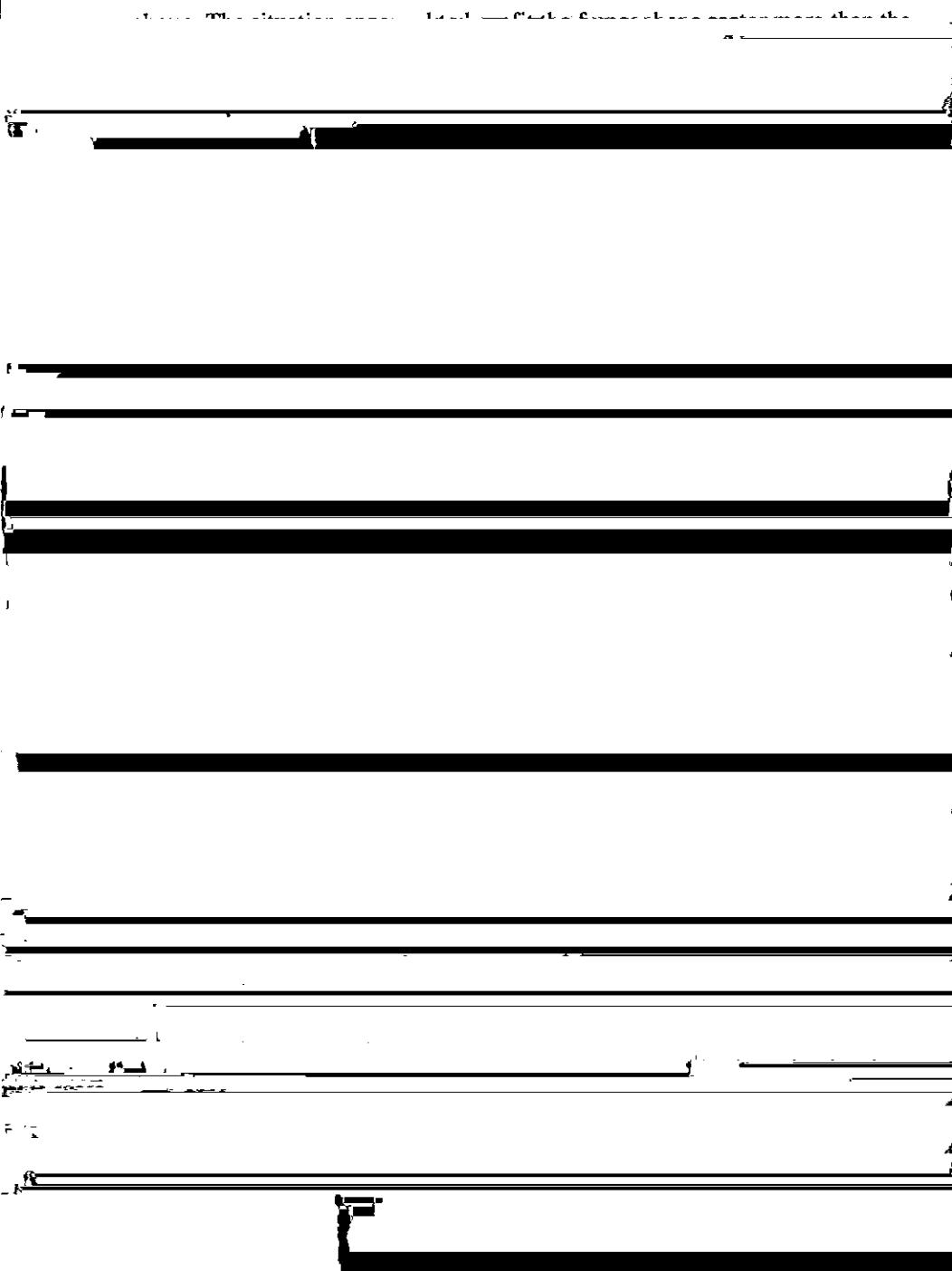
national departments yielded a part of their jurisdiction, by then smaller, to two

by the OECD, "political action in educational matters is limited and is only



the limits of minimum and maximum levels, according to the principle of fixed costs and economies of scale.¹²

The expected merits of this law, adopted under budgetary conditions that were still favourable were mainly the clarity of the formula for important



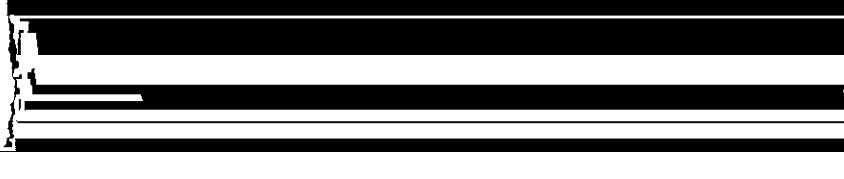
- a variable part calculated on the basis of teaching load, itself calculated

Making Up for Time Lost

jurisdiction, and combined with the multiplication of research contracts funded by the private sector and the EEC, this effort has helped increase considerably

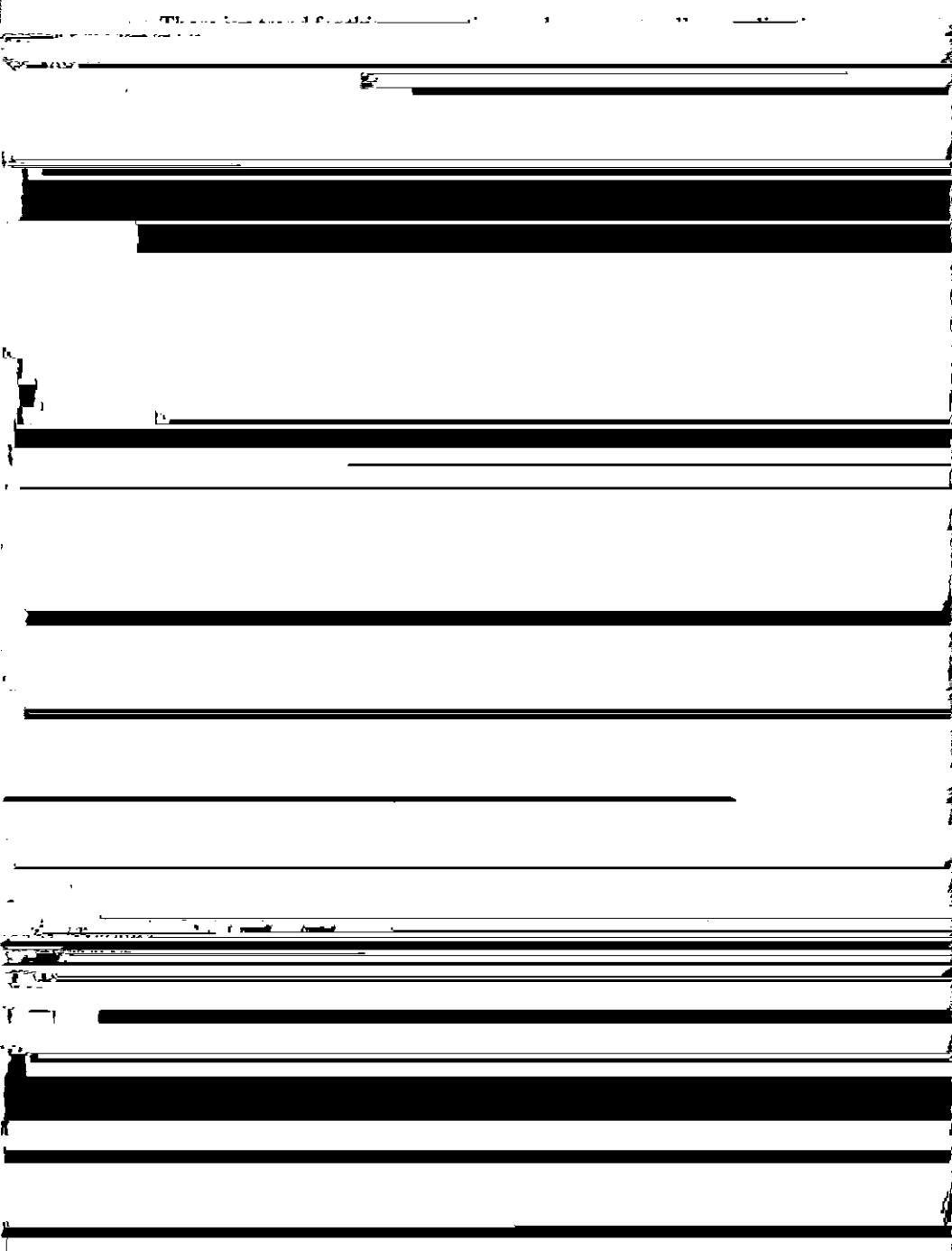
The law of August 1980 was amended in 1988, because this distinction between basic and applied research was considered too vague to be used as a

17. According to the first version, there the



distribution of responsibilities (including research conducted under interna-



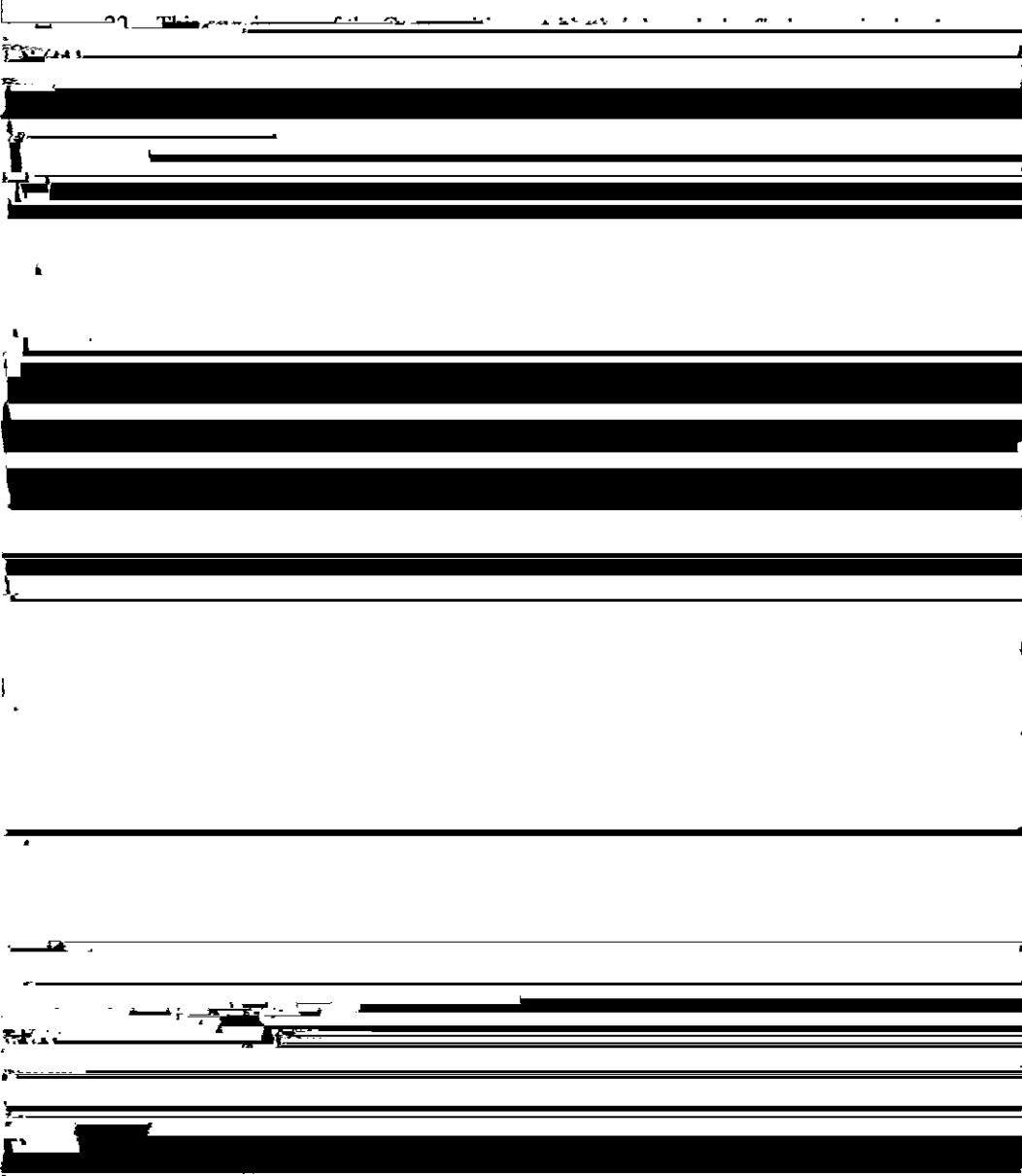


the other hand, has been a major concern for several years. The open policy of the 1960s has gradually been made more restrictive, mainly through the criteria

criticizing each other, are now getting into the habit of not only comparing
them and their



- eliminated), the possible introduction of a constitutional court, and the international powers of the communities and the regions.
7. The nation, or now the community, thus plays a dual role, as: (a) the organizing power for the institutions in its network; and (b) the authority responsible for applying the regulations to subsidized official or free educational institutions.



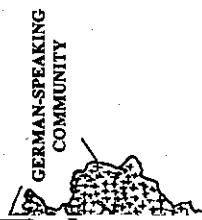
NDIX I
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MISH
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APPENDIX 3
Higher Education in Belgium

UNIVERSITY LEVEL	STATUS	STUDENTS 89-90
1. <i>Université Catholique de Louvain</i>		

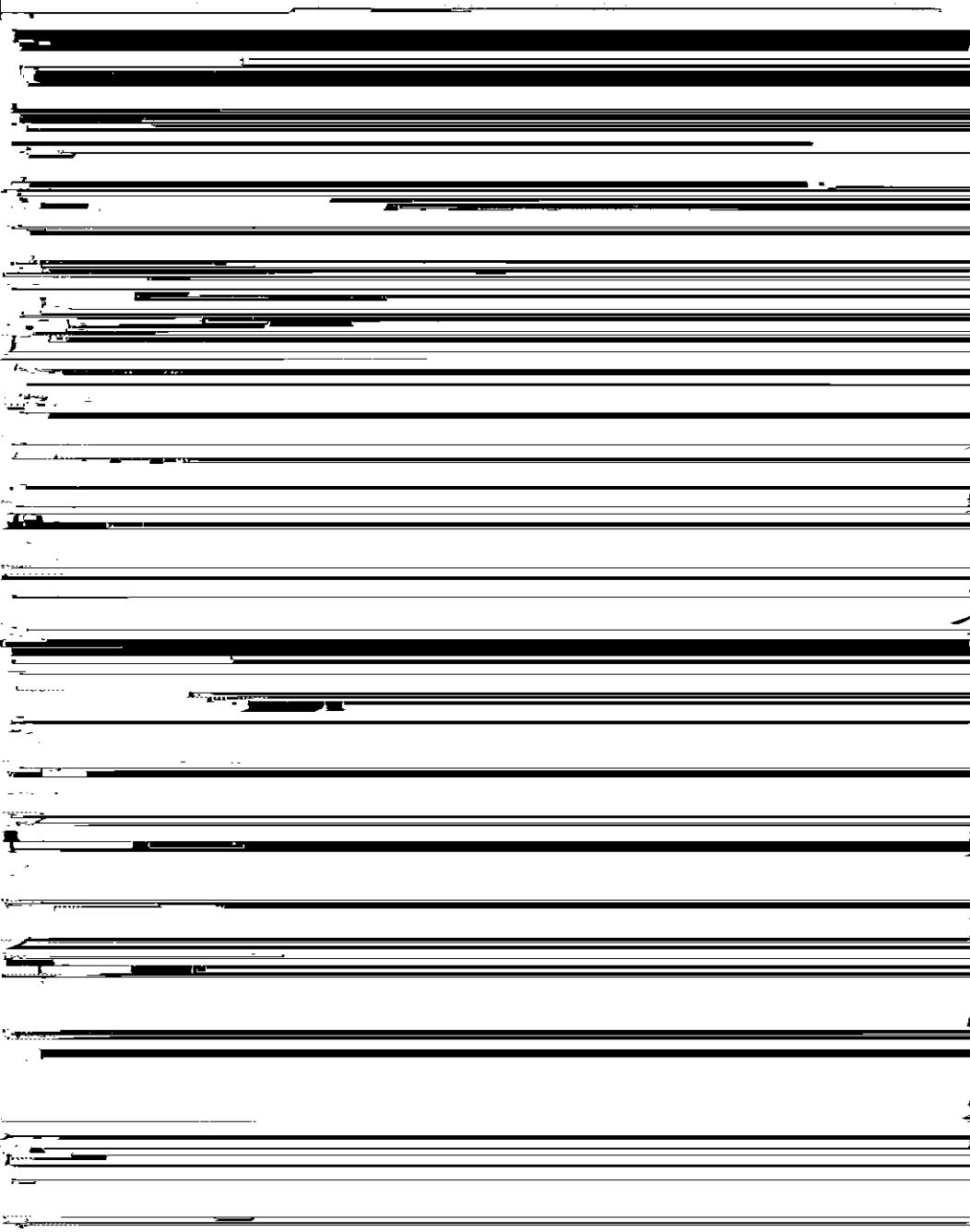
Higher Education in Federal Systems: The European Community

Pierre Cazalis

INTRODUCTION¹

**Figure 1: Indexed Supply of 15-19 Year Olds in Europe and USA,
1984-2000**

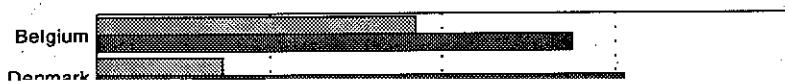
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In principle, the drop in pre-university age students should have affected already the number of university enrolments. Although the complement of 15-19 year olds is apt to decrease until 1995 at least, as shown in Figure 1, this decline has not yet manifested itself at the higher education level. The

several reasons for this, among them the increasing number of students going on to university after graduating from secondary school, and the trend towards increased retention within the universities.

Figure 3: Staying-on Rates in Full-time Education for 16 Year olds in Some Member States of the EC



Socio-economic Context

With regard to higher education, the economic context is characterized by two factors: the growth of the international market for higher education services and the increasing demand for higher education in Europe.

support targeted towards specific purposes such as adult training and certain

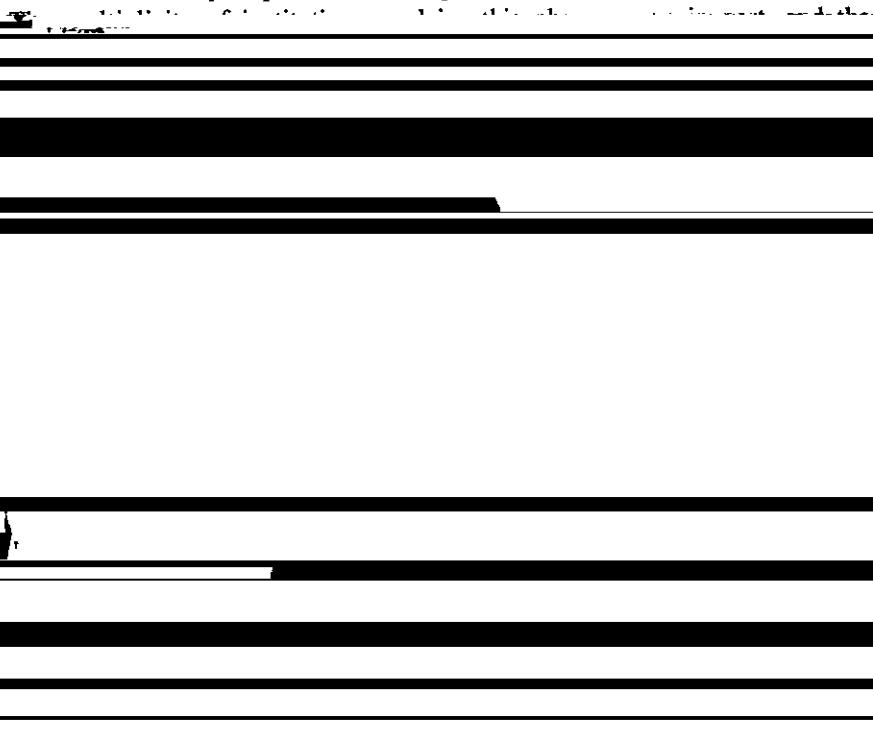


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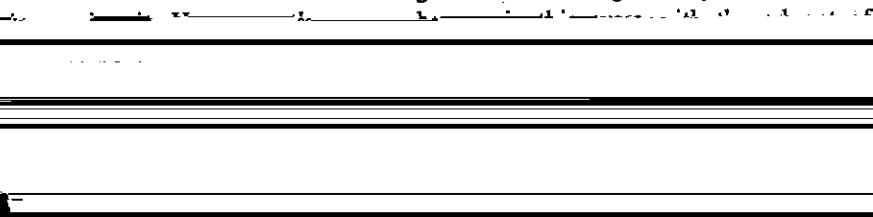
why a general directive from the EC Council now calls for a minimum of three years of study for vocational training at the higher level.

Research Dispersion

Research is doubly dispersed — among establishments and among countries.



different national traditions with regard to research generally contribute to



Ways and means of achieving the aims of the Treaty

Article 162 of the Treaty of Rome provides:

Article 162. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 163 of the Treaty of Rome provides:

Article 163. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 164 of the Treaty of Rome provides:

Article 164. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 165 of the Treaty of Rome provides:

Article 165. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 166 of the Treaty of Rome provides:

Article 166. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 167 of the Treaty of Rome provides:

Article 167. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 168 of the Treaty of Rome provides:

Article 168. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 169 of the Treaty of Rome provides:

Article 169. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 161 of the Treaty of Rome provides:

Article 161. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 162 of the Treaty of Rome provides:

Article 162. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

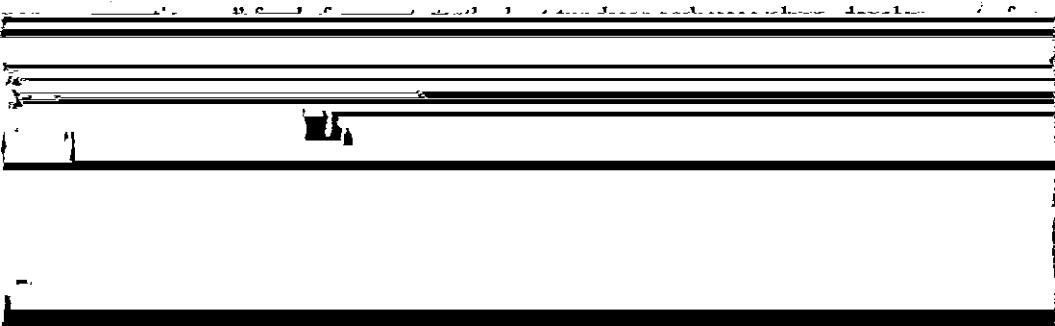
Article 163 of the Treaty of Rome provides:

Article 163. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

Article 164 of the Treaty of Rome provides:

Article 164. The Council shall take such measures as may be necessary to give effect to the provisions of the Treaty.

mobility between the university and the private sector, setting up of "discre-



systematic training programs for young teachers, more frequent use of personnel from the private sector, retraining of existing personnel, making a widespread practice of evaluation and career planning, and so forth.

Autonomy and Strategic Management

In most of the 12 member states, despite certain limitations, the institutions now



with training programs, and to the development of methods to combine studies and vocational training in the private sector.

ERASMUS

ERASMUS is the European Community Action Scheme for the Mobility of University Students. It was established by Council Decision on 15 June 1987. On 14 December 1989, the Council approved the second phase of the program for the period 1990-94 and awarded it a budget of ECU 192 million for three years. The possibility of participation by EFTA countries was also suggested.

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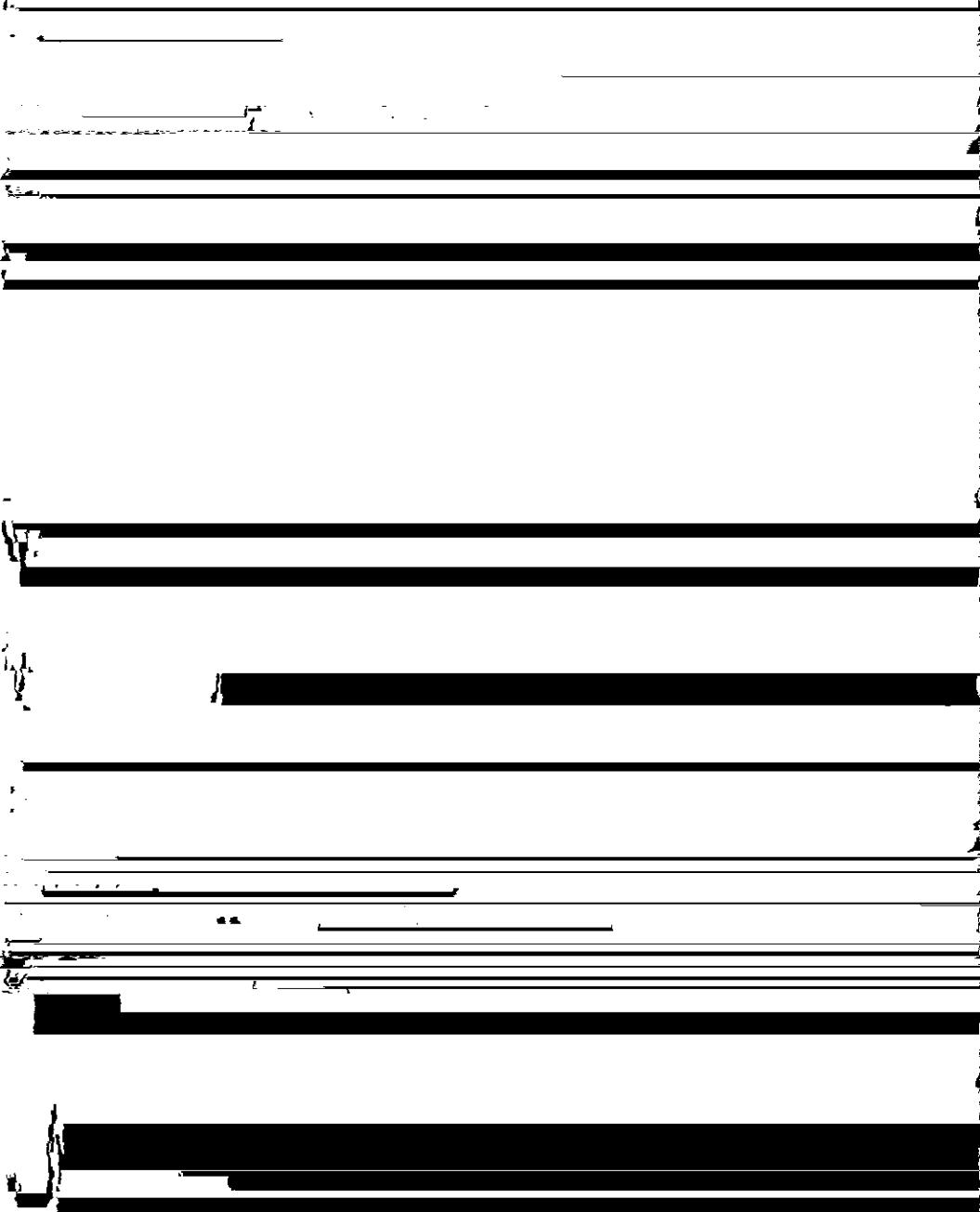
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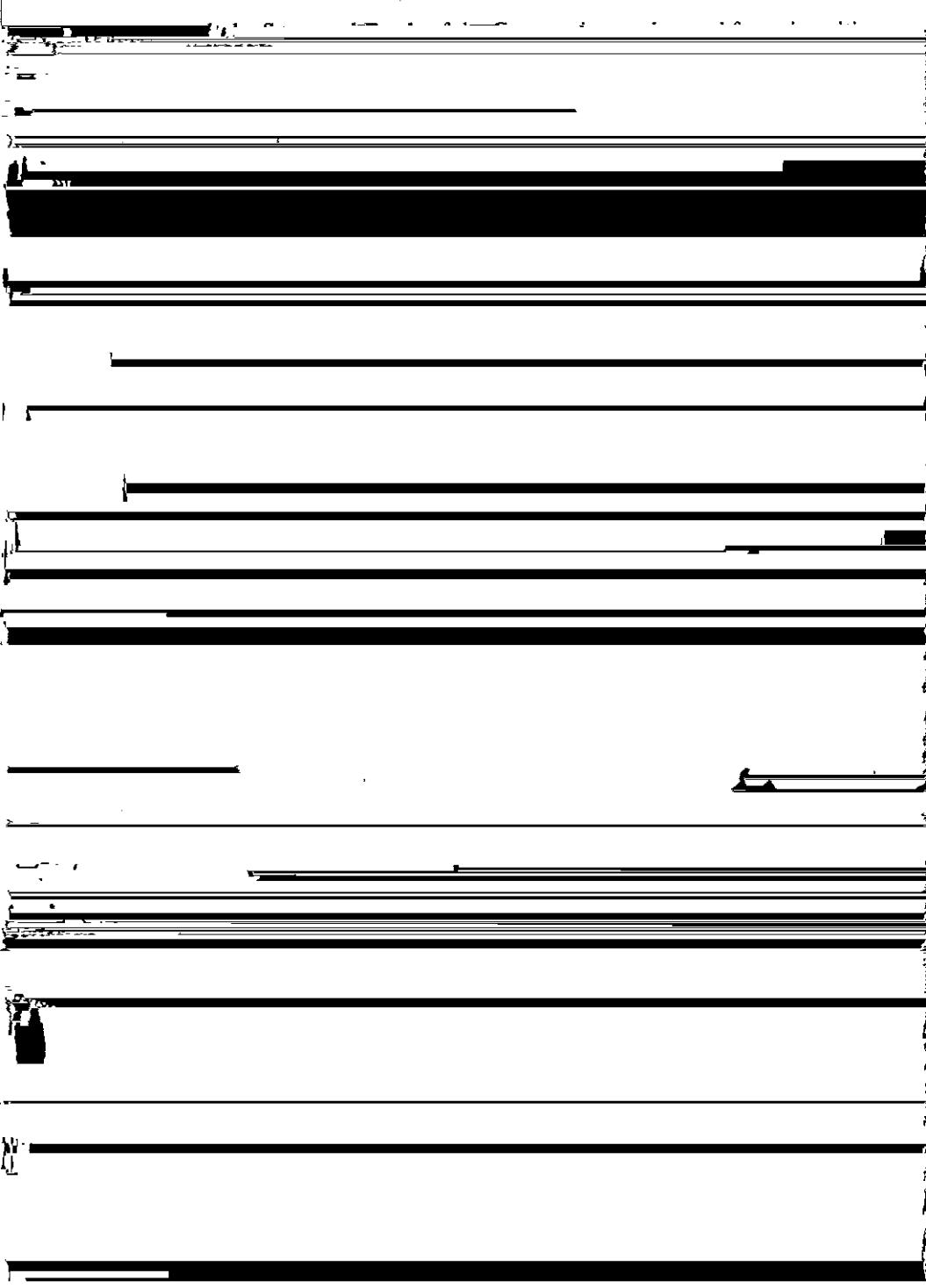
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• mobility grants for teachers, students and administrators in higher education; and



The *Single European Act* incorporated a reformulated Title VI into the Treaty,



certificate in the modern sense of the word.

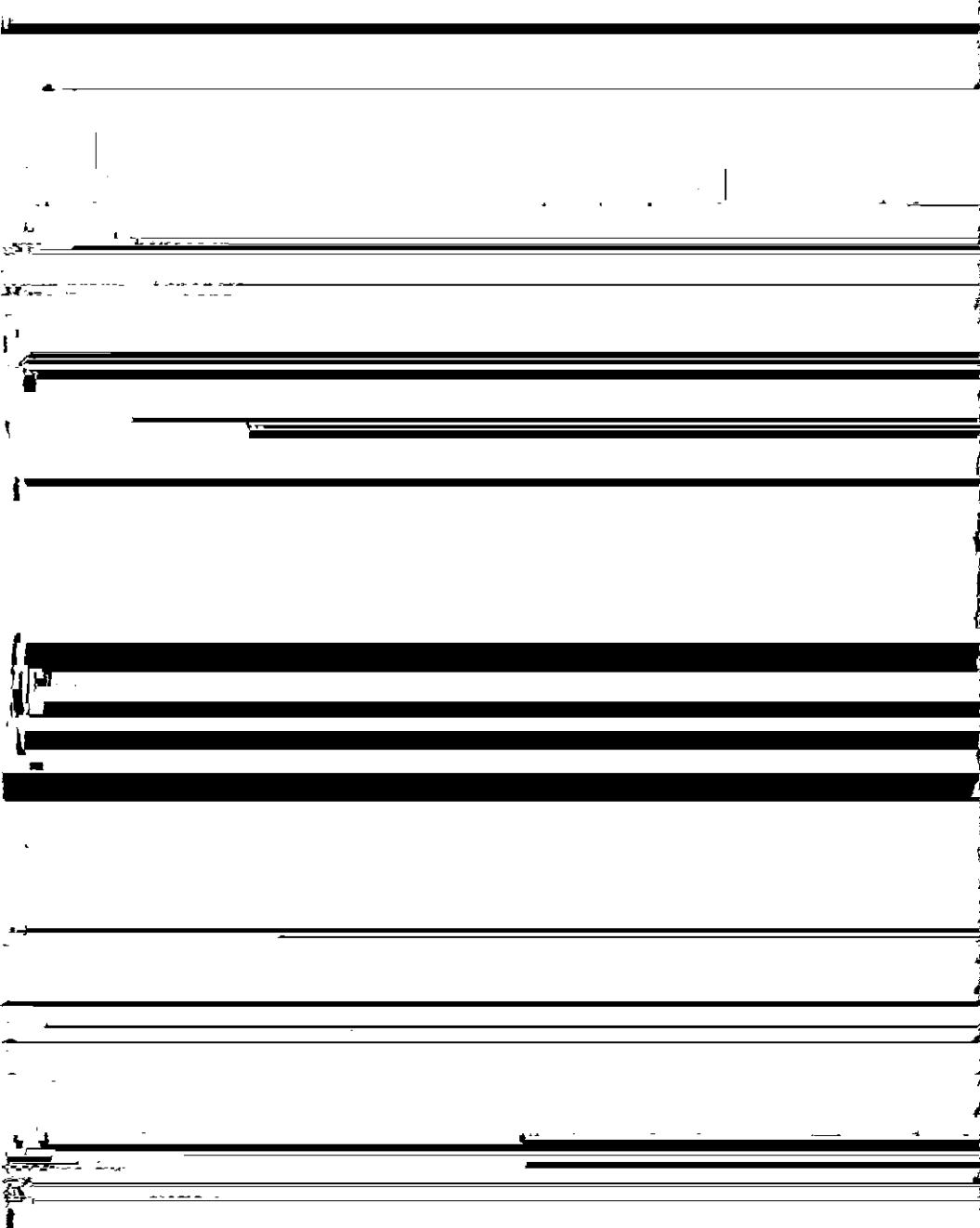
APPENDIX

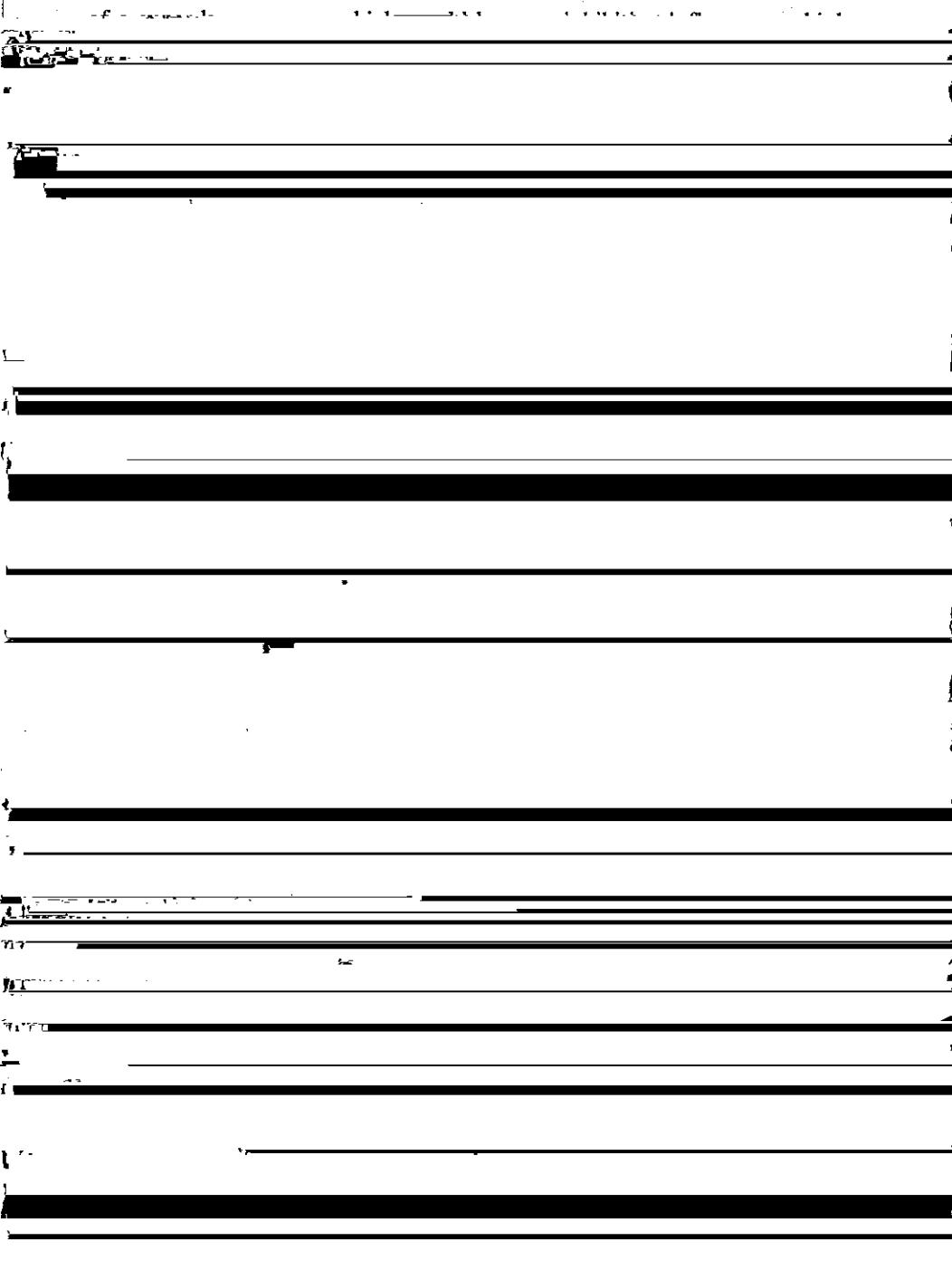
Members of the Expert Advisory Group

G. AUGUSTE	Universities of Paris, Chairman of the Council of the European Institute of Education and Social Policy, Paris
P. BELLEVAL	University of Rome
L. BERLINGUER	President, SATURN
L. CERYCH	Rector, University of Siena
	Director, European Institute of Education and Social Policy, Paris

Discussion

An Australian academic, Grant Harman, noted the American emphasis on multiple actors outlined in Martin Trow's paper, and discussed the Australian perspective on this with respect to the funding of universities. Australia has



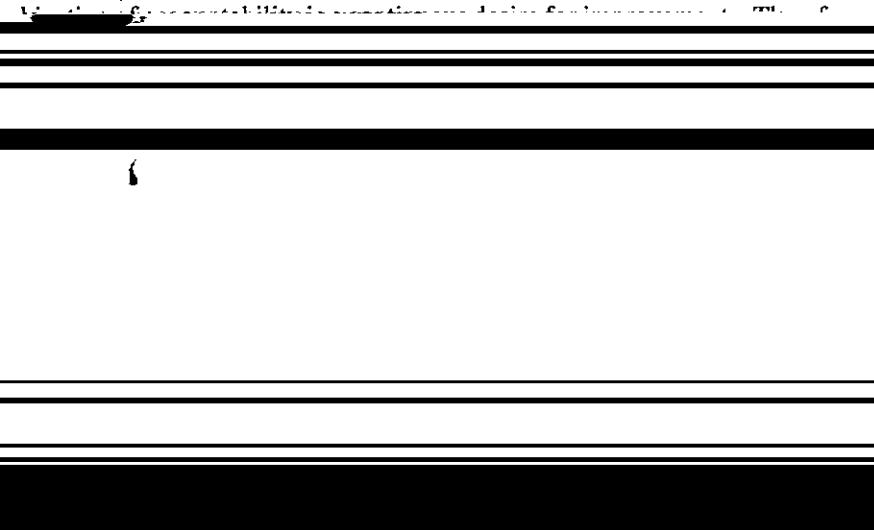


PART III

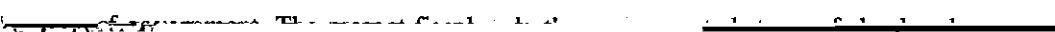
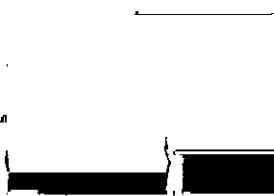
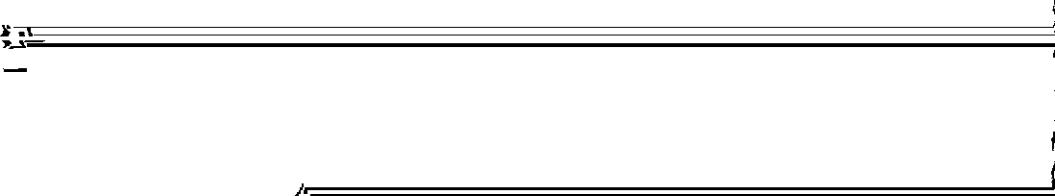
Issues in Higher Education

THEME I: ORGANIZATION PLANNING AND MANAGEMENT

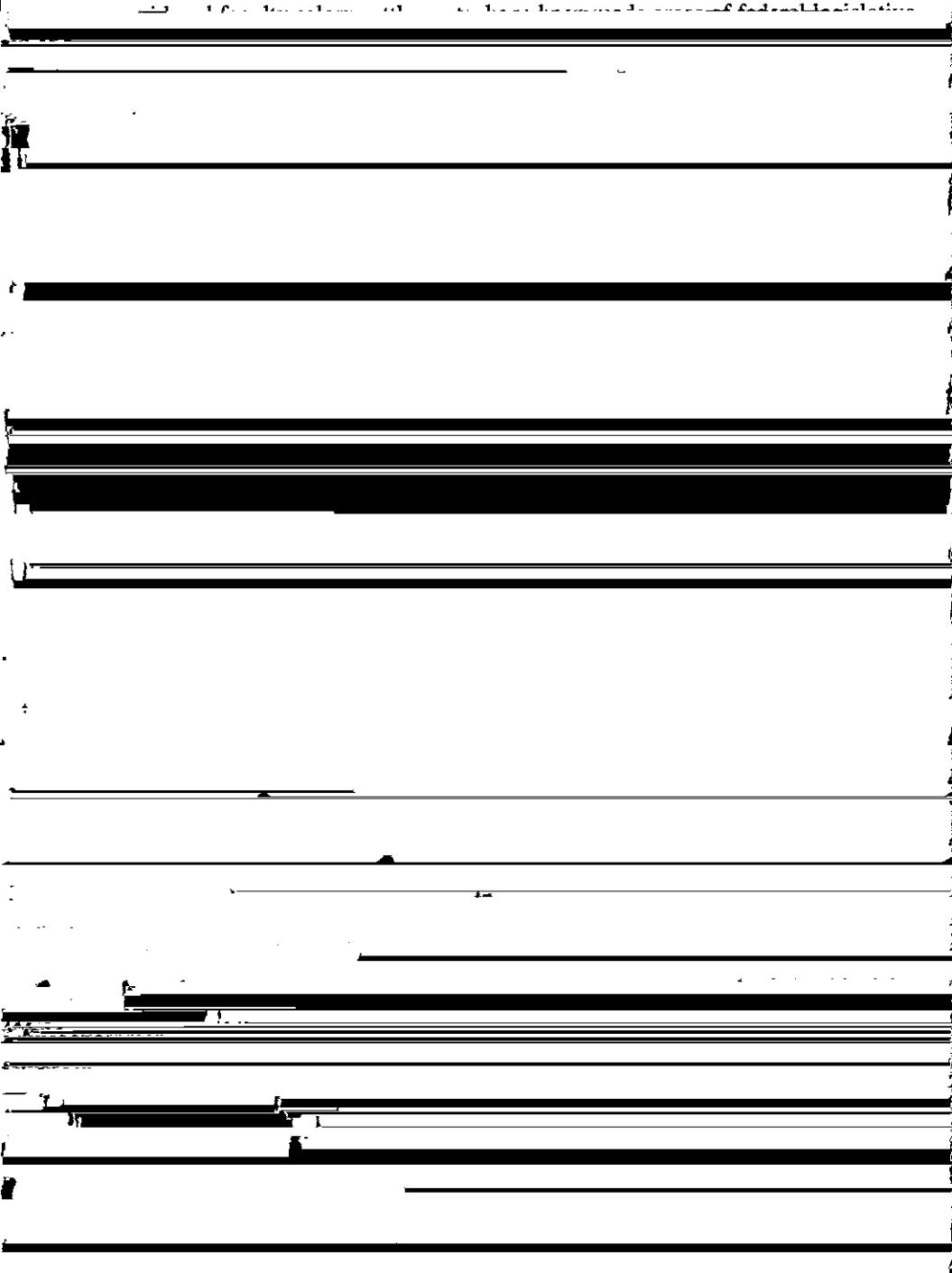
governments. According to one Canadian provincial government official, the



In the view of some participants, Canada does not share this sort of co-



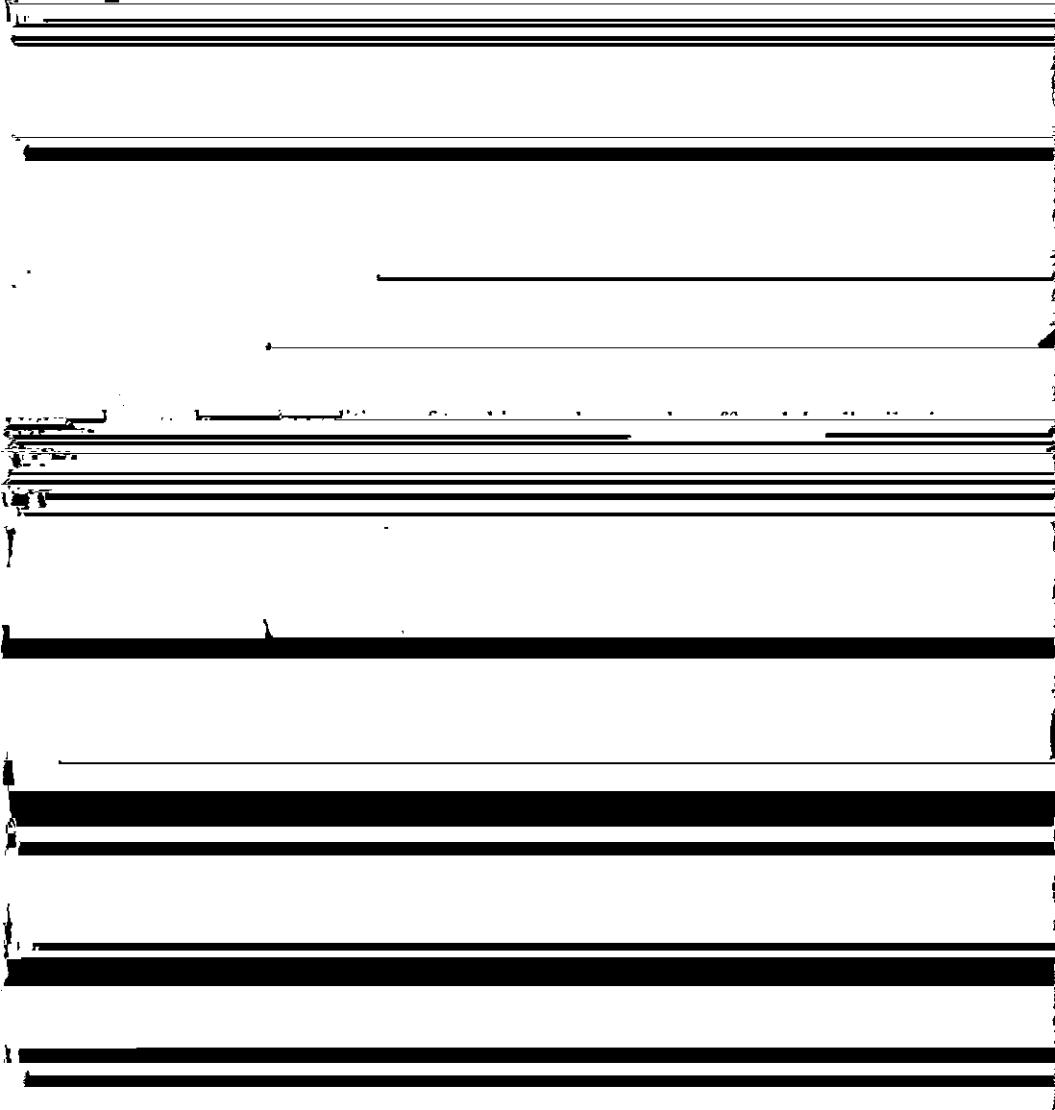
Germany has a range of mechanisms. Some issues such as public law, student



this highly centralized Australian process was not touted as a model for others to follow.

THEME II: FINANCING HIGHER EDUCATION

The Chair, Pierre deCelles, the president of the École nationale d'administration publique in Quebec, introduced the second session by enumerating some of the different policies and issues pertinent to the theme of financing higher education. These included such matters as: sources of funding, contributions to fixed assets, student aid, tuition fees, direct subsidies to universities, funding formulae,



considered in a new light; in the ability to forge new and different partnerships in various quarters. Autonomy would thus be seen in the choice of when to enter a partnership or not.

Some countries do not enjoy the same variety of funding sources as others.

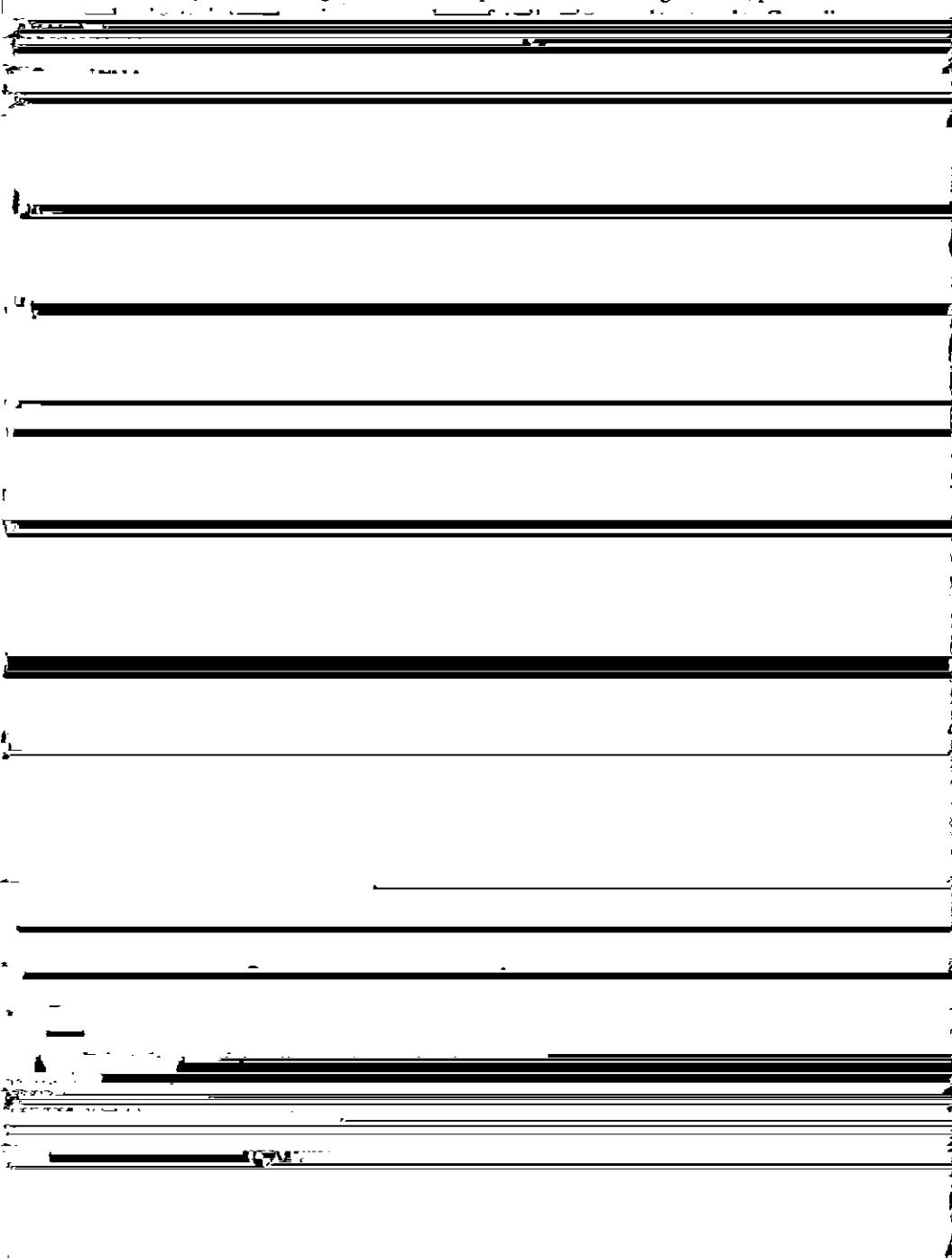
health care. Per capita grants and other federal transfers are declining and threatening to make regional disparities more pronounced.

According to one senior federal government official, the financing of education is largely contingent upon which governmental umbrella covers it. The larger the umbrella, the more competition education will face. Under the current

considered include access, especially with respect to tuition fees; mobility among regions and countries; and the international recognition of degrees.

The distinction made in David Gammie's analysis seems between the

and industry. The sharing of research responsibilities among federal, provincial



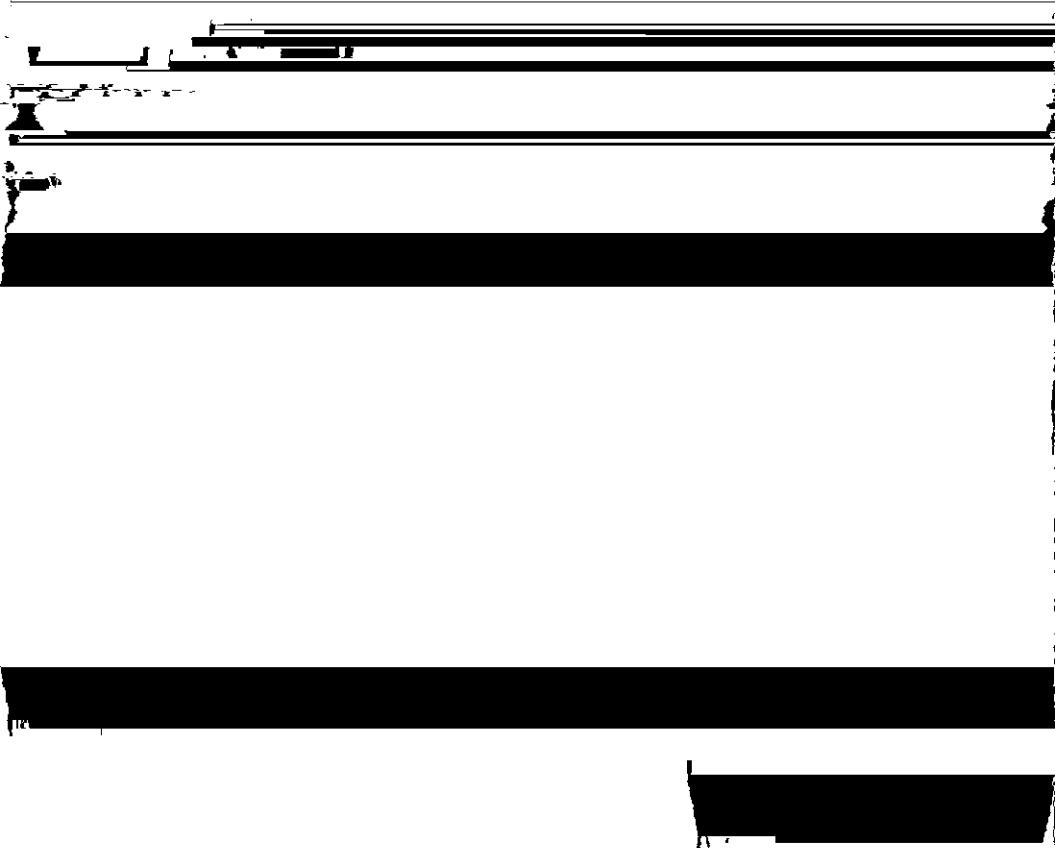
the system through other avenues, for example the "centres of excellence" program to fund directed areas of research.

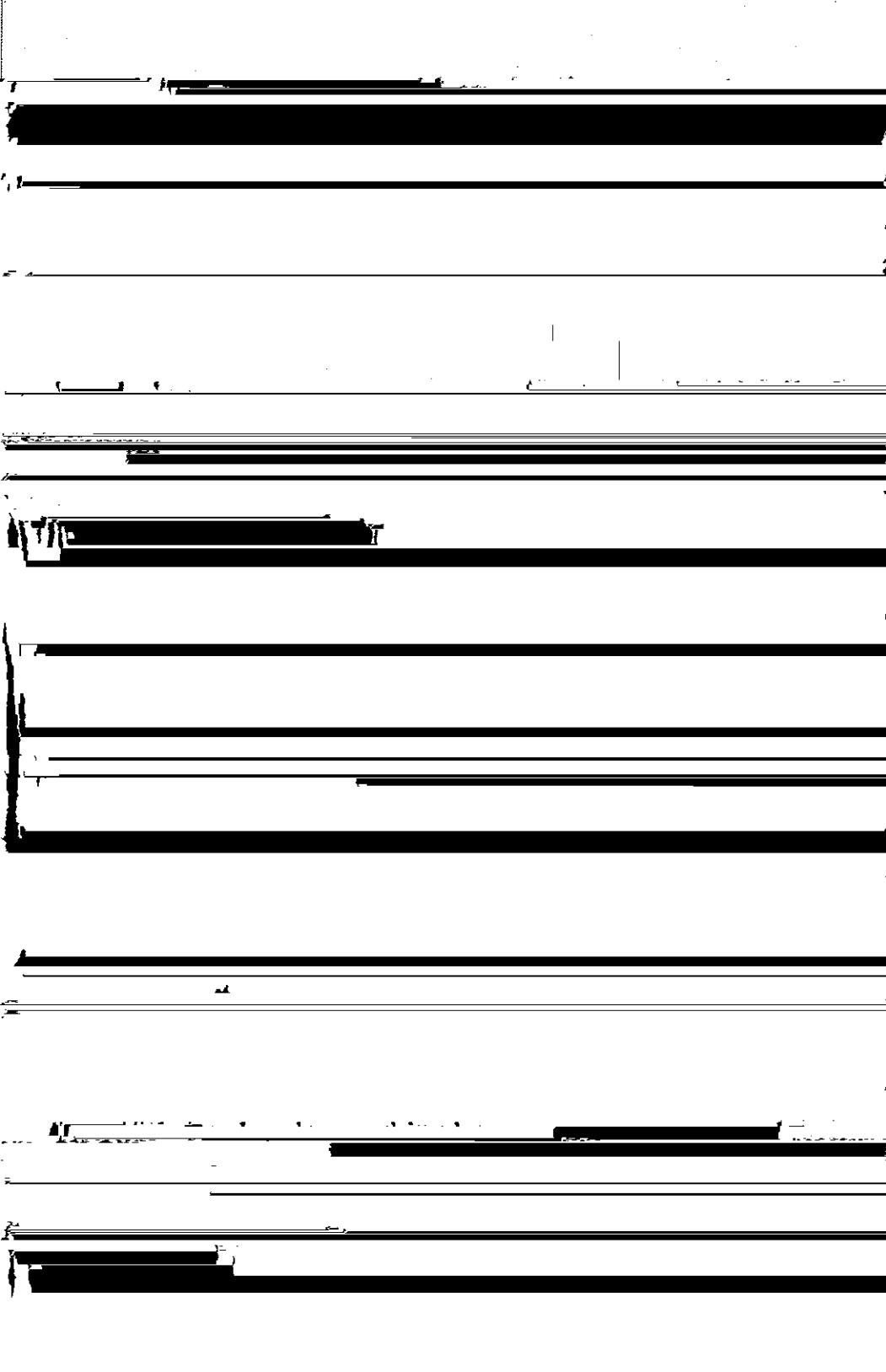
of distinction between research and instruction and therefore between their

PART IV

Final Session

Rapporteur's Comments:
Hasty Generalizations Missed

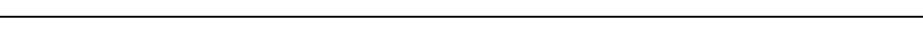
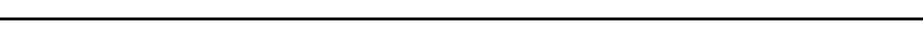




To posit the desirability of funding coherence is indeed to fabricate the



source of funding. This leaves the desirability of funding coherence as a



national basis is the vital importance of skilled university management headed

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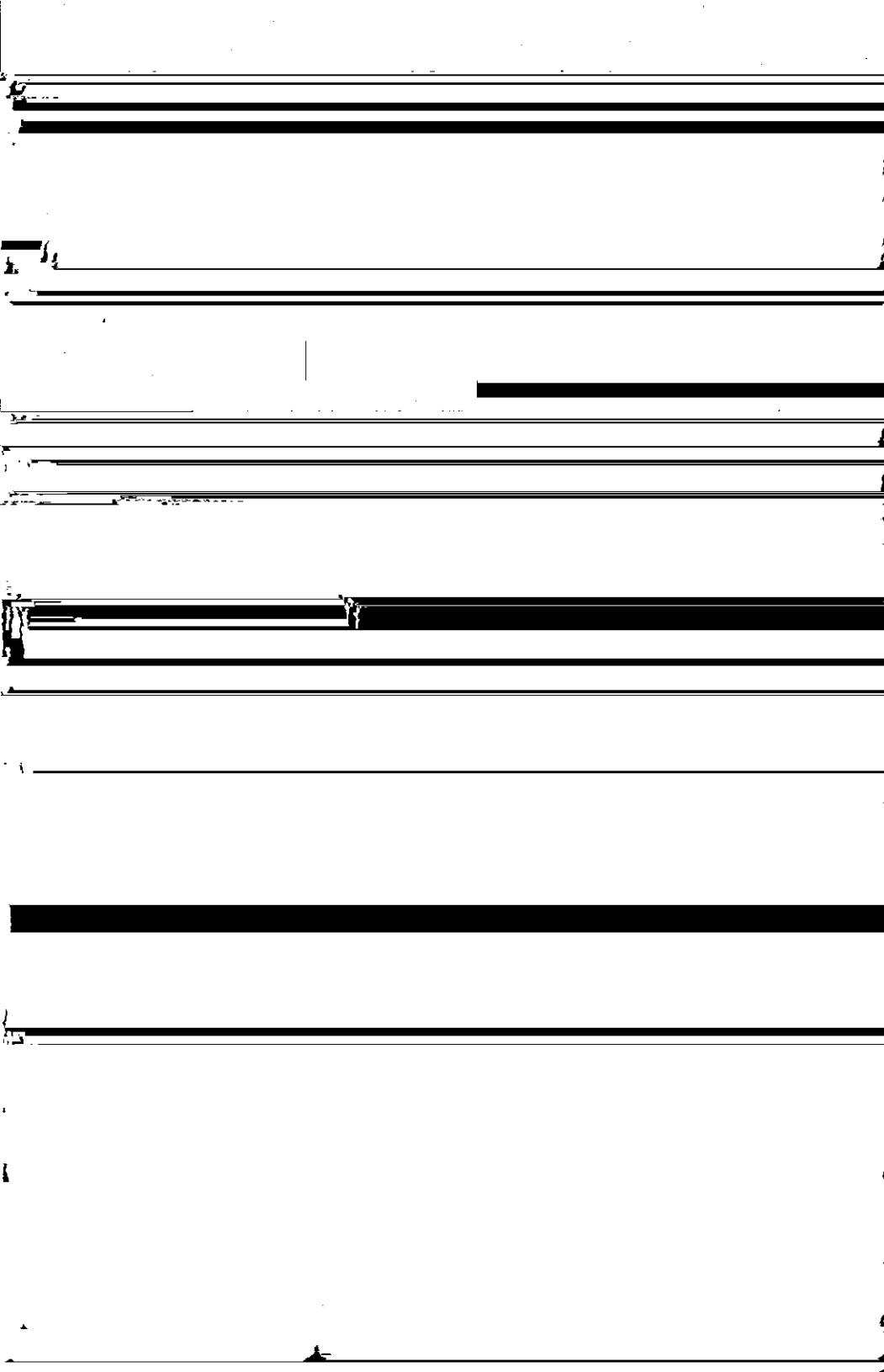
OVERSIMPLIFICATIONS

I come now to the last item on my list of obstacles to understanding higher education: oversimplifications. To your credit, what had become perfectly apparent as your deliberations were winding down was that they could not be confined by the notion that higher education can be equated with universities.



levels of government, higher education officials confront a vast continent where ministries of health, hospital commissions, public and private health insurance

research agencies jostle one another at the same time as they stand ready to do battle with universities.



Discussion

The author's interpretation is based on Stefan Durzak's remarks and its

significance to federalism figured prominently in the discussion. The first question of the session speculated on whether it would have made a difference

opportunities for this multiply in a federal system with myriad levels of

secondary education. However, the "public interest" is not the specific or sole purview of any particular level of government.

There was some concern raised about closely equating the federal principle with the principle of subsidiarity, as the latter means many things to different people. For example, many Eurocrats may deem this principle as a rationale for

International Colloquium on
Higher Education in Federal Systems
8-10 May 1991

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Maritime Provinces

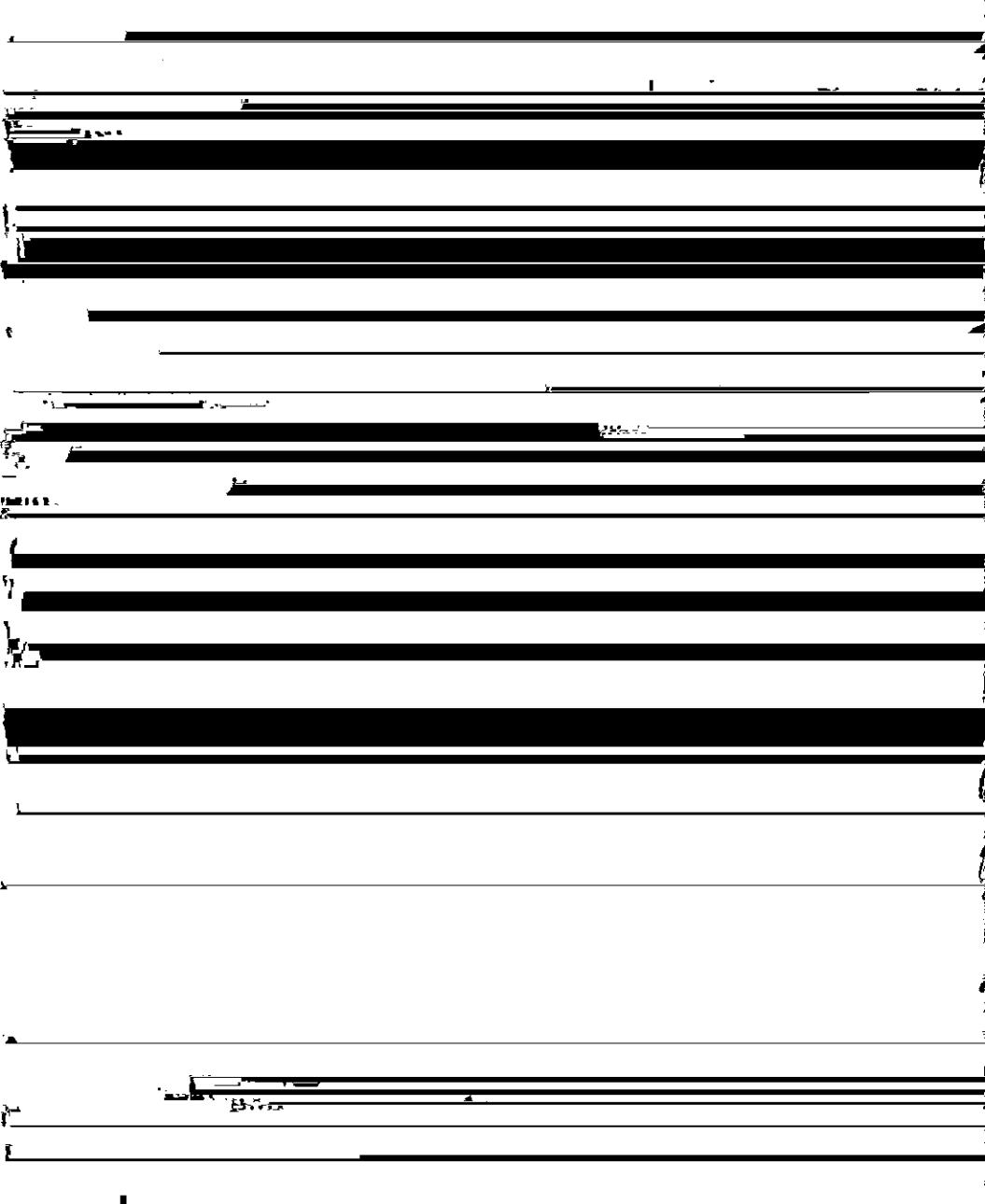
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L'enseignement supérieur dans les systèmes fédératifs

*Actes du colloque international
tenu à Queen's University
en mai 1991*

*Sous la direction de
Douglas Brown, Pierre Cazalis
et Gilles Jasmin*

Données de catalogage avant publication (Canada)

Vedette principale au titre:

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L'enseignement supérieur dans le cadre fédératif	
--	--

Ronald L. Watts

3

1. Introduction 2. Contexte 3. Méthodologie 4. Présentation des solutions inter-

diversifier le financement de l'enseignement supérieur afin de préserver
l'intégrité de l'Université. [redacted]

Remerciements

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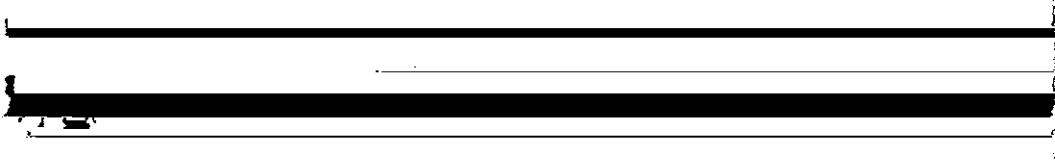
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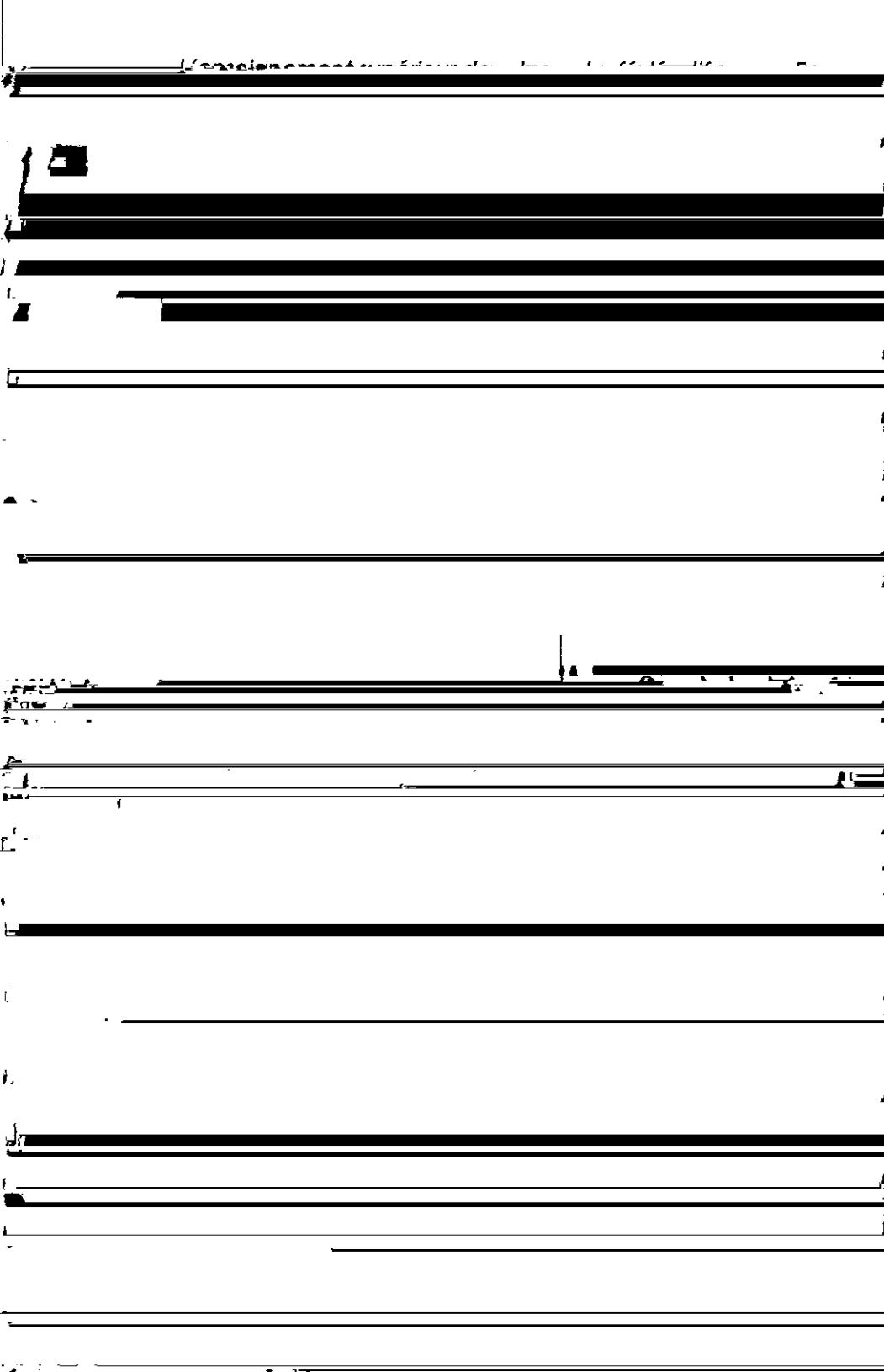
PREMIÈRE PARTIE

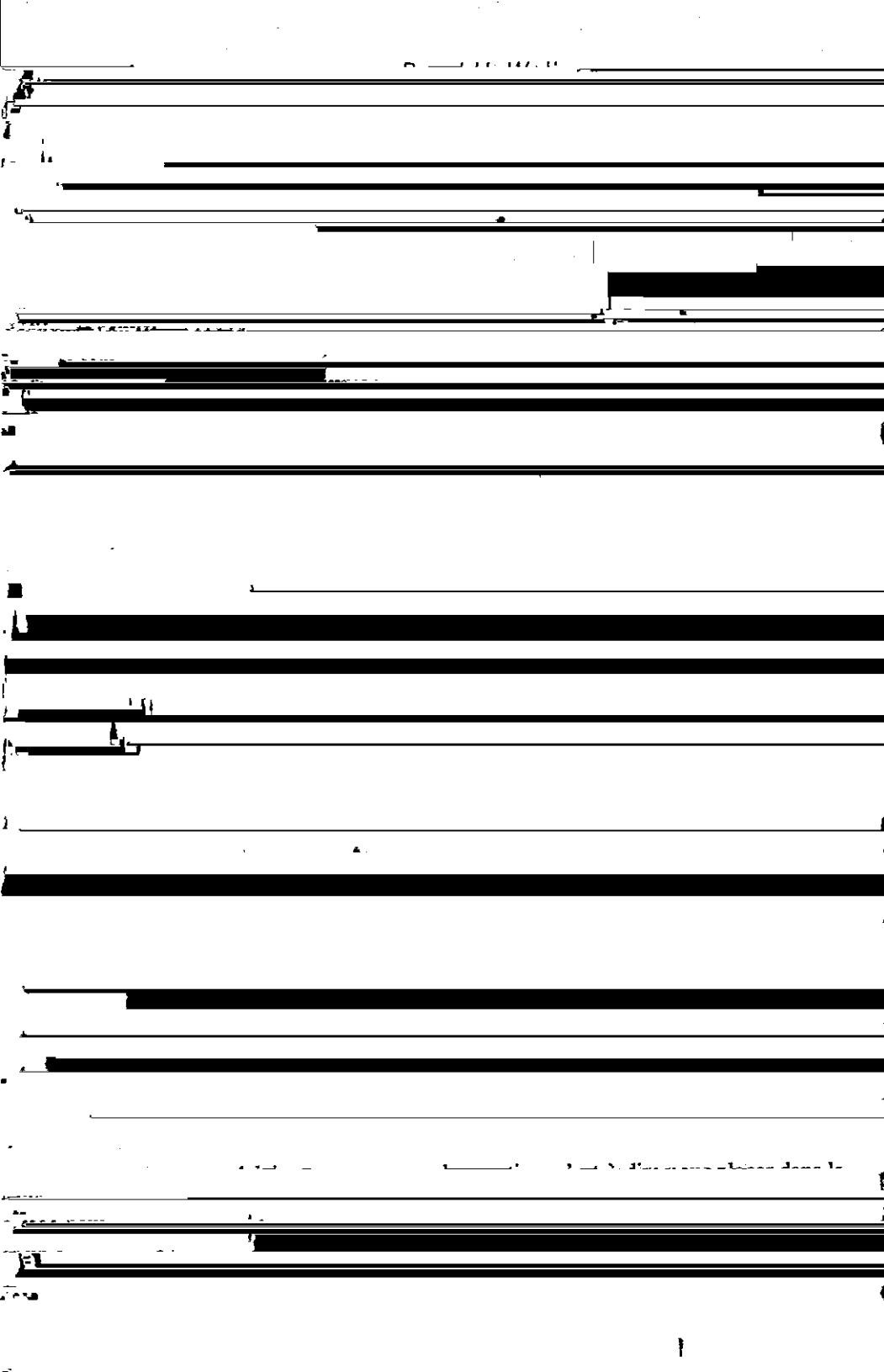
Le contexte fédéral

L'importance d'un échange de bonnes pratiques

Columbia, qui a été notre contact avec les Australiens; et David Cameron, de ~~Dalhousie University~~, qui a non seulement rédigé un exposé sur le Canada et



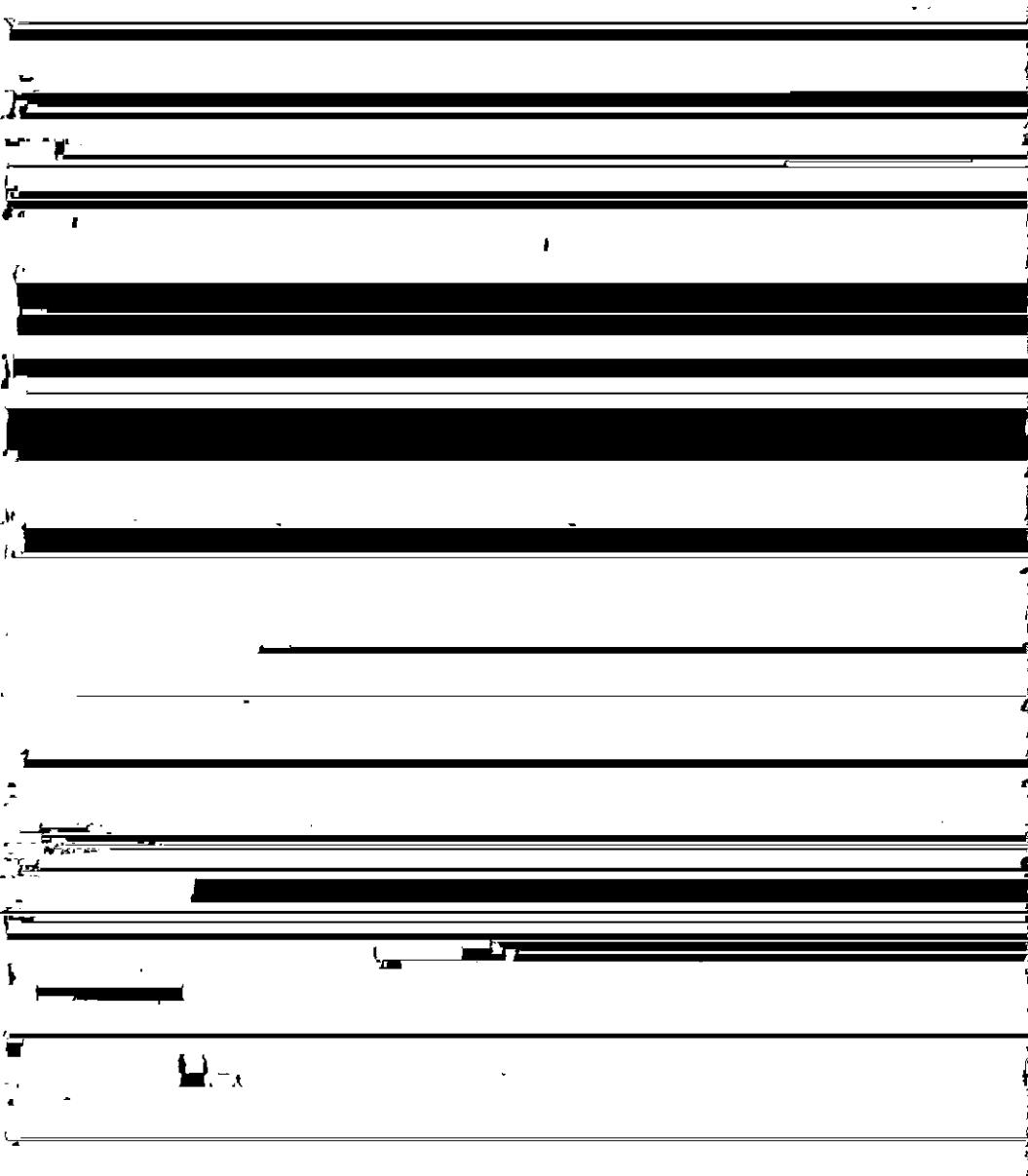




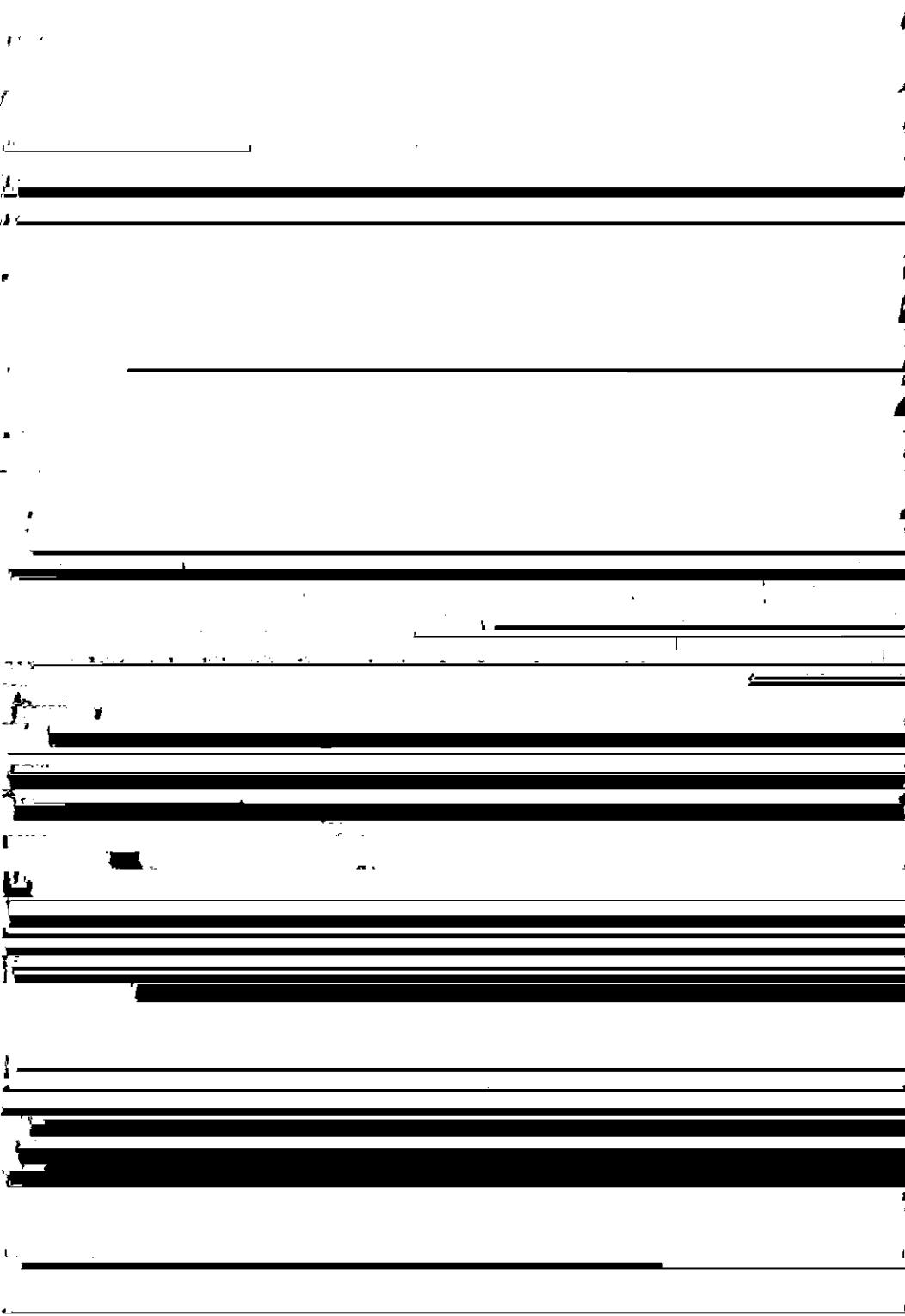
at la suite moi-même

stituantes. Ce qui distingue les systèmes fédératifs de ces deux autres types d'organisation politique est que ni l'un ni l'autre ordre de gouvernement ne détient son autorité de l'autre ou n'y est subordonné. Chaque ordre de gouverne-

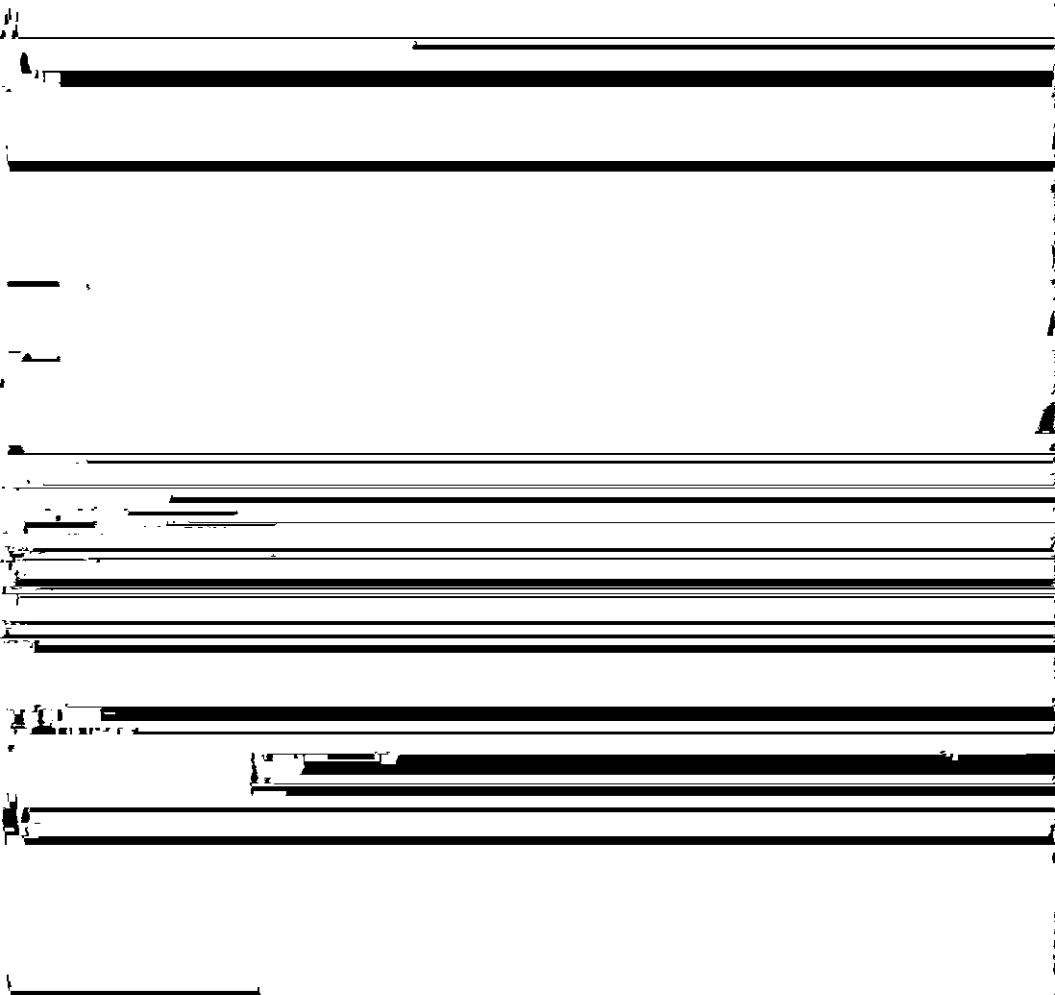
des services communs de l'Afrique de l'Est et plus récemment la Communauté



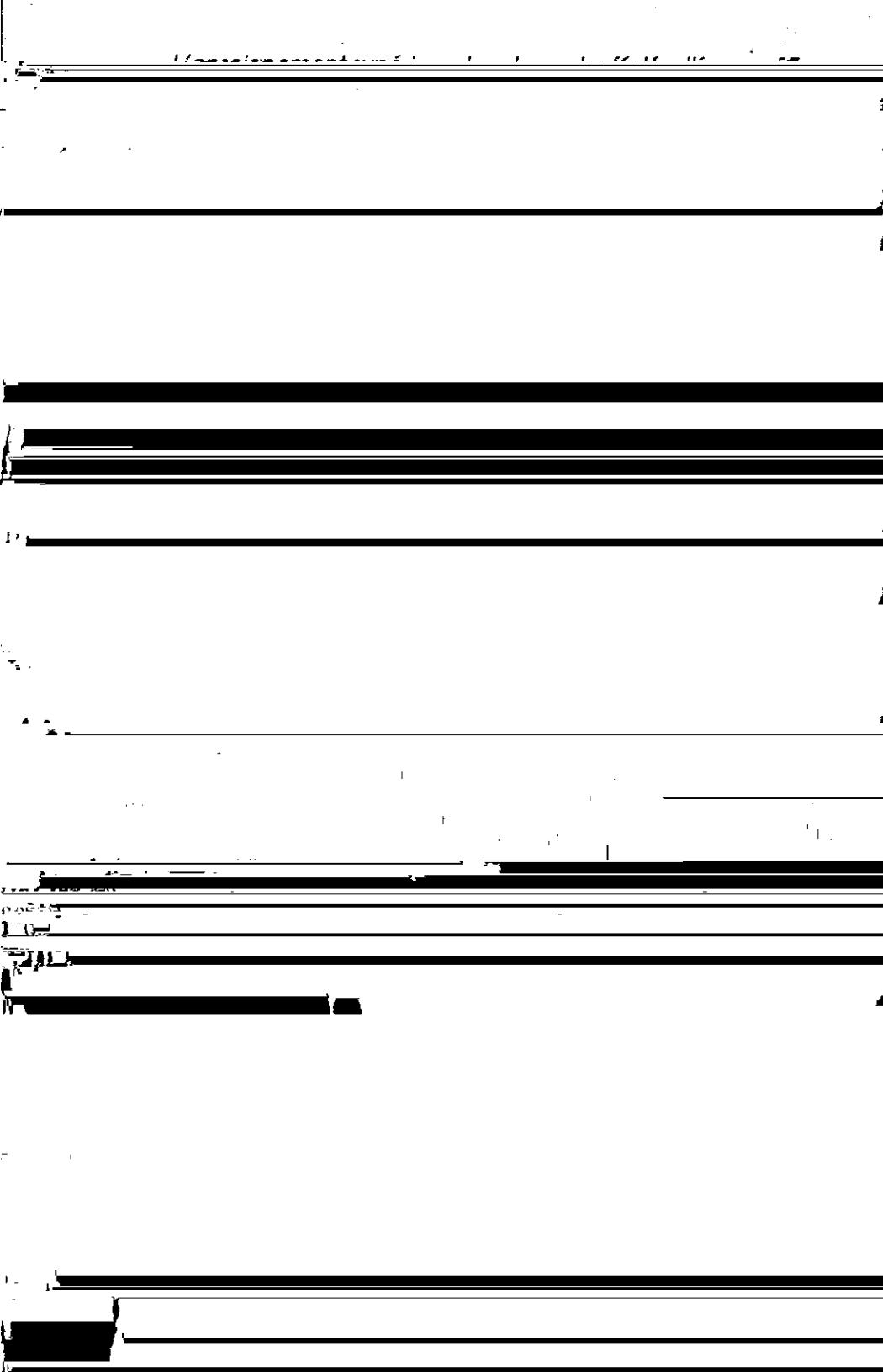
L'empêchement à la démission de l'assemblée

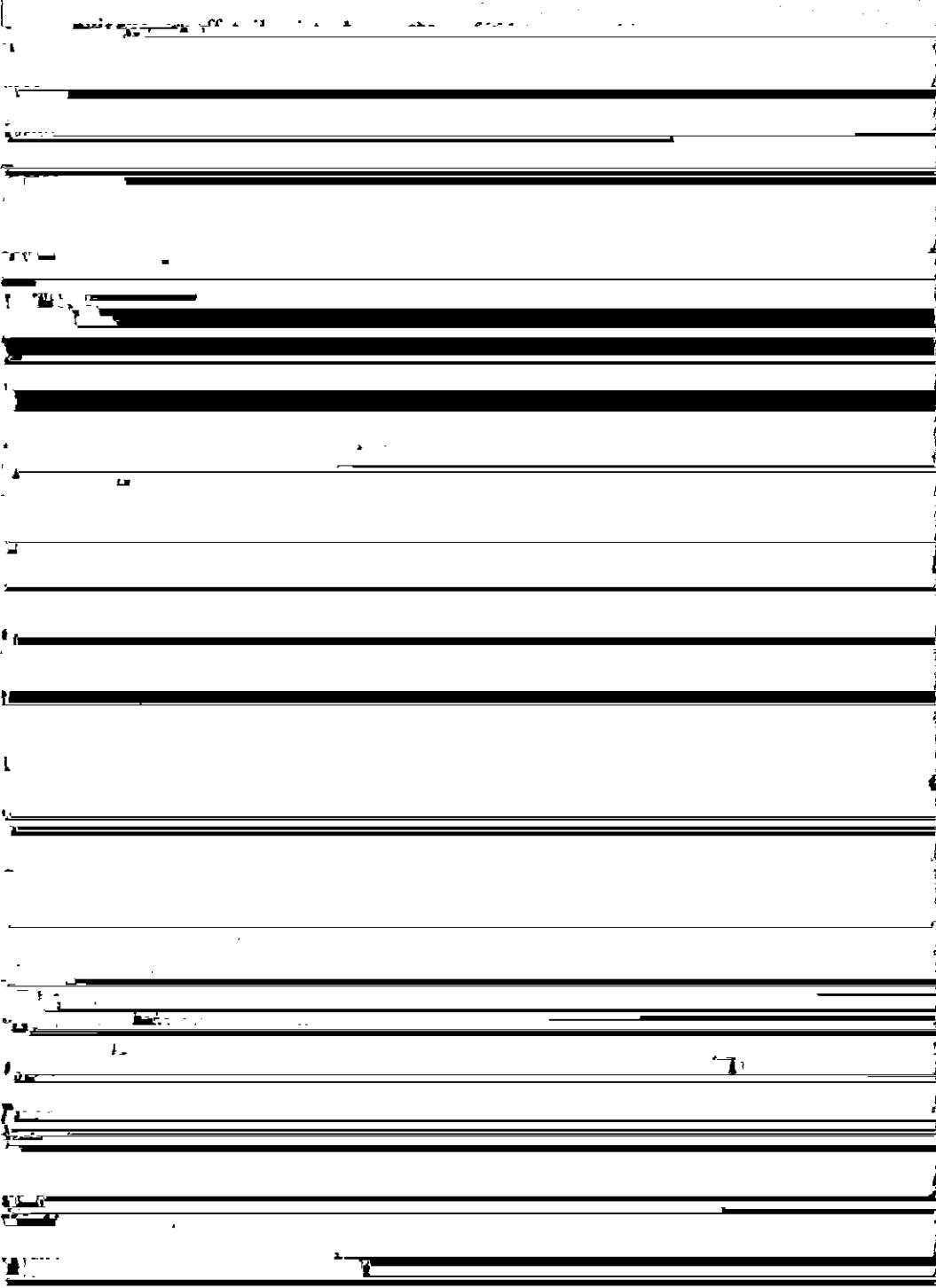


les fédérations, où les pouvoirs sont partagés, l'enseignement supérieur est l'un des domaines intéressant les deux ordres de gouvernement. Dans la plupart des fédérations, on considère généralement qu'il convient de confier la juridiction sur l'éducation en tant que telle aux provinces. Mais la simple application de cette solution à l'enseignement supérieur a tendance à créer des problèmes particuliers. L'enseignement supérieur joue de toute évidence un rôle important



DIFFÉRENCES ENTRE SYSTÈMES FÉDÉRATIFS





États-Unis où il existe plusieurs

dans le cadre constitutionnel est certes l'une des questions dont on débat.

caractère même du fédéralisme ambiant. C'est dire que si nous voulons comprendre les différences qui existent entre nos fédérations en matière d'enseignement supérieur, il nous faut comprendre les différences fondamentales qui existent entre les fédérations elles-mêmes et tenir compte

politiques de l'enseignement supérieur.

Deuxièmement, le caractère même d'une fédération influera sur l'intensité de la collaboration ou la concurrence qui pourra exister entre les divers ordres de gouvernement. À ce titre, c'est peut-être en Allemagne et en Suisse que la collaboration intergouvernementale est la plus étroite. Il existe dans ces deux

pays en voie de développement a été telle que les changements en matière de
~~transports de communications sociales de technologies et d'informations~~

[REDACTED] Résumé des discussions

[REDACTED]

différences culturelles entre les régions.

cette dépendance des universités envers le marché favorise les consommateurs plutôt que les fournisseurs et confère un pouvoir politique important à l'aide accordée aux étudiants.

La discussion se termine par un retour à son point de départ, c'est-à-dire à



DEUXIÈME PARTIE

**L'enseignement supérieur dans
sept systèmes fédératifs**

L'enseignement supérieur dans sept

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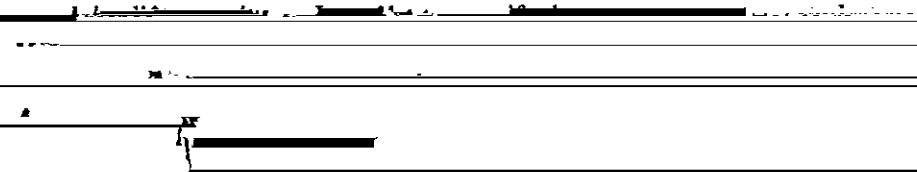
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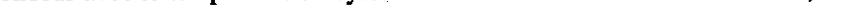
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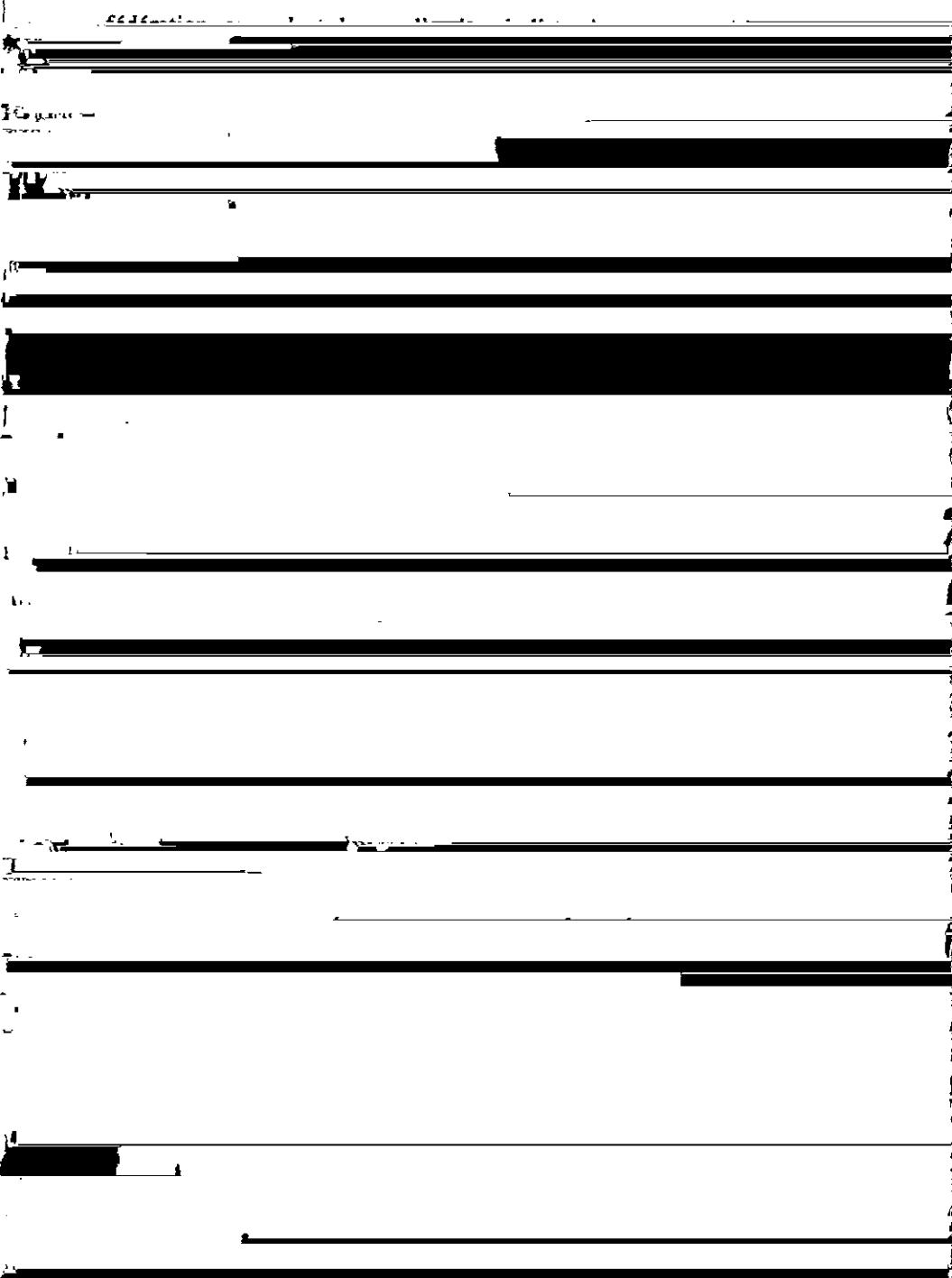
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Par ailleurs, chacun des exposés établit clairement que les régimes fédératifs

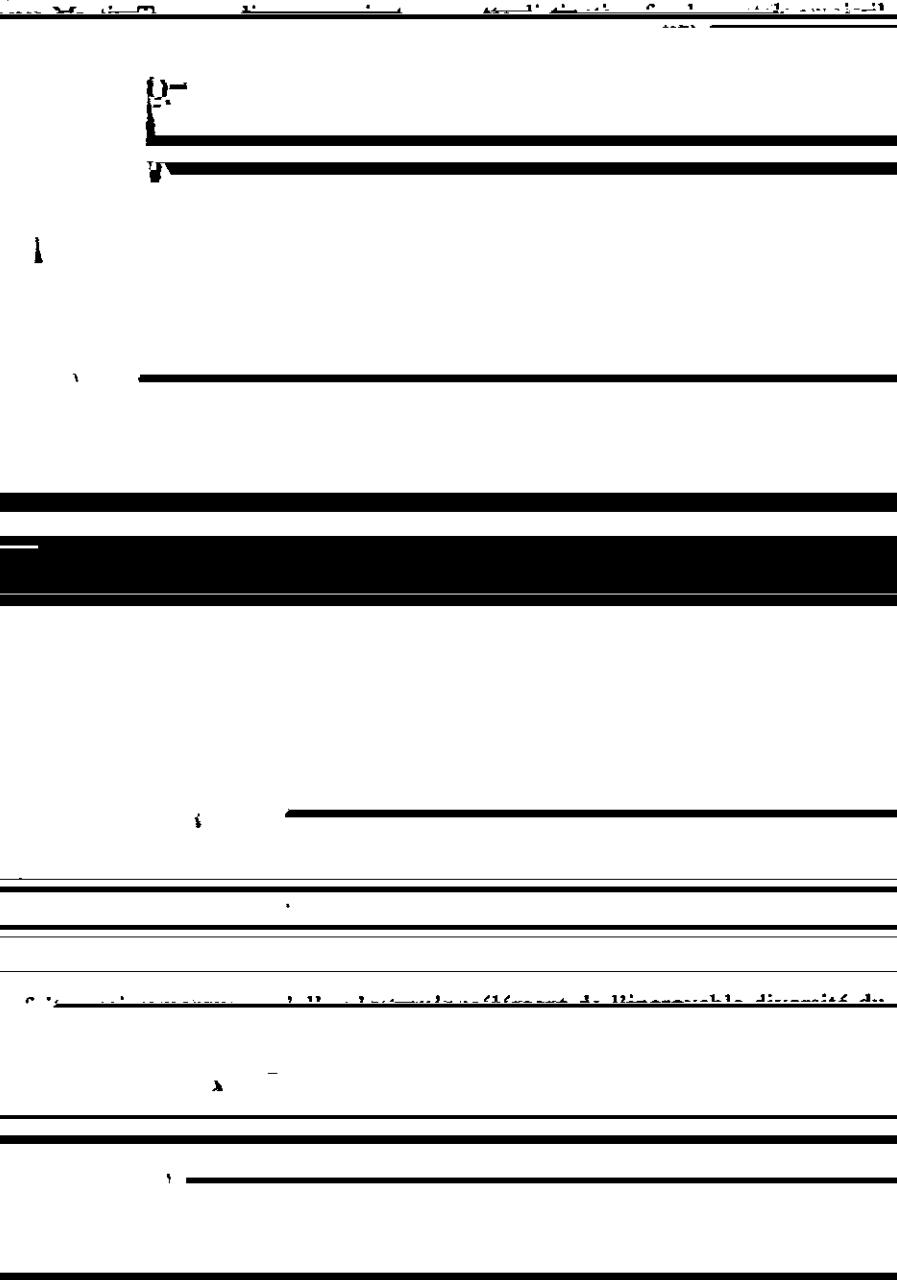


régionaux³ en matière d'enseignement supérieur peuvent se transformer en profondeur avec le temps dans un système fédératif donné. Dans certains cas,

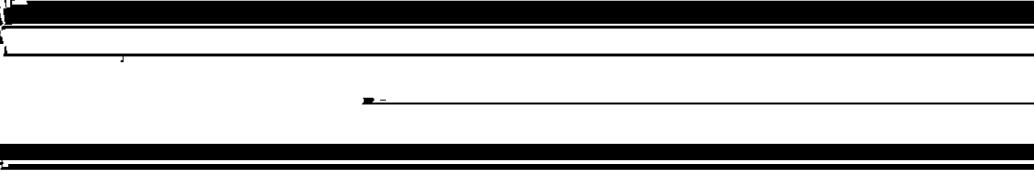
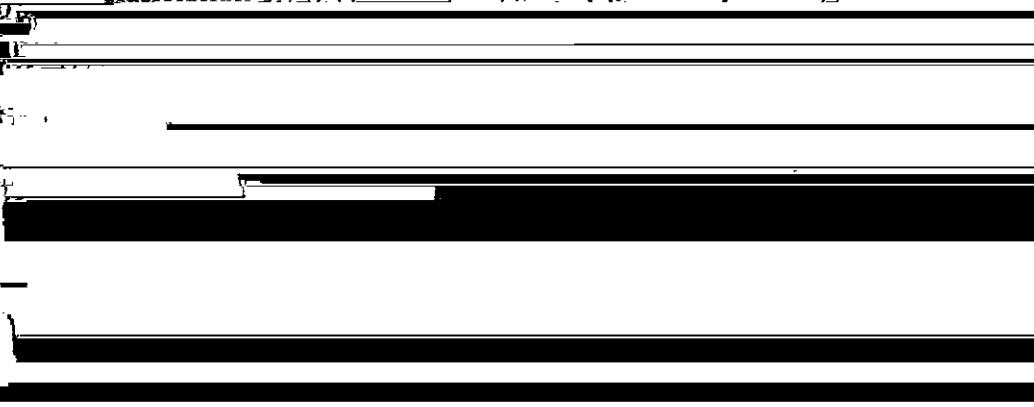




droit strict, sont pratiquement toutes considérées comme publiques dans les faits. Au contraire, les universités américaines se répartissent encore entre établissements publics et privés.



consultatif et de recherche, et qui sont elles-mêmes dirigées par des



T'oménagement constitutionnel allemand est nécessairement différent de celui



devant exister entre capacité technologique, revenus d'exportation et compétences intellectuelles (connaissances et savoir-faire)»:

C'est tout un défi que d'exploiter de façon créatrice cette interrelation qui met en cause à la fois l'éducation et la formation, le recyclage, la recherche, l'amélioration du transfert de technologie, ainsi que le développement des compétences scientifiques et technologiques.

Cela exige également une perspective plus large des rapports internationaux [...] Nulle part le défi — et l'occasion — ne sont plus grands que dans le système d'enseignement supérieur, parce que c'est là que se trouve en grande partie le potentiel de recherche et de développement de l'Australie. Or, la recherche et le

étudier les avantages possibles d'un renforcement des mécanismes de coordi-

LE FINANCEMENT DE L'ENSEIGNEMENT SUPÉRIEUR

Dans tous les systèmes fédératifs étudiés ici, la fin

marché²⁹. On discute depuis longtemps d'un programme semblable en

Amerique du Nord au Canada [redacted]

I'Anatolie et le Canada ont également été visés.

9. David M. Cameron, «L'enseignement supérieur dans les systèmes fédératifs: Le Canada», p. 49-76.
 10. Certaines écoles professionnelles en Suisse fonctionnent comme des

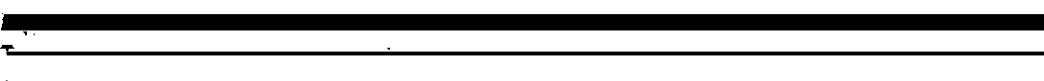
11. Martin Trow, «Origines et développement du fédéralisme dans l'enseignement

L'enseignement supérieur dans les systèmes fédératifs: le Canada

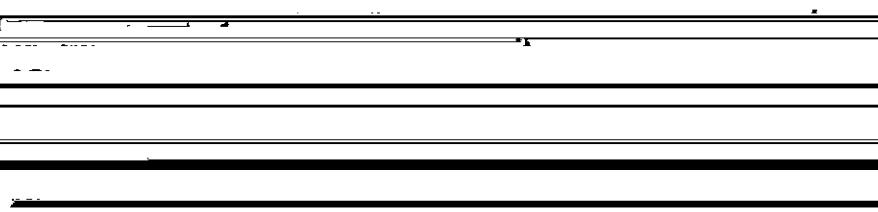
David M. Cameron

LE FÉDÉRALISME CANADIEN

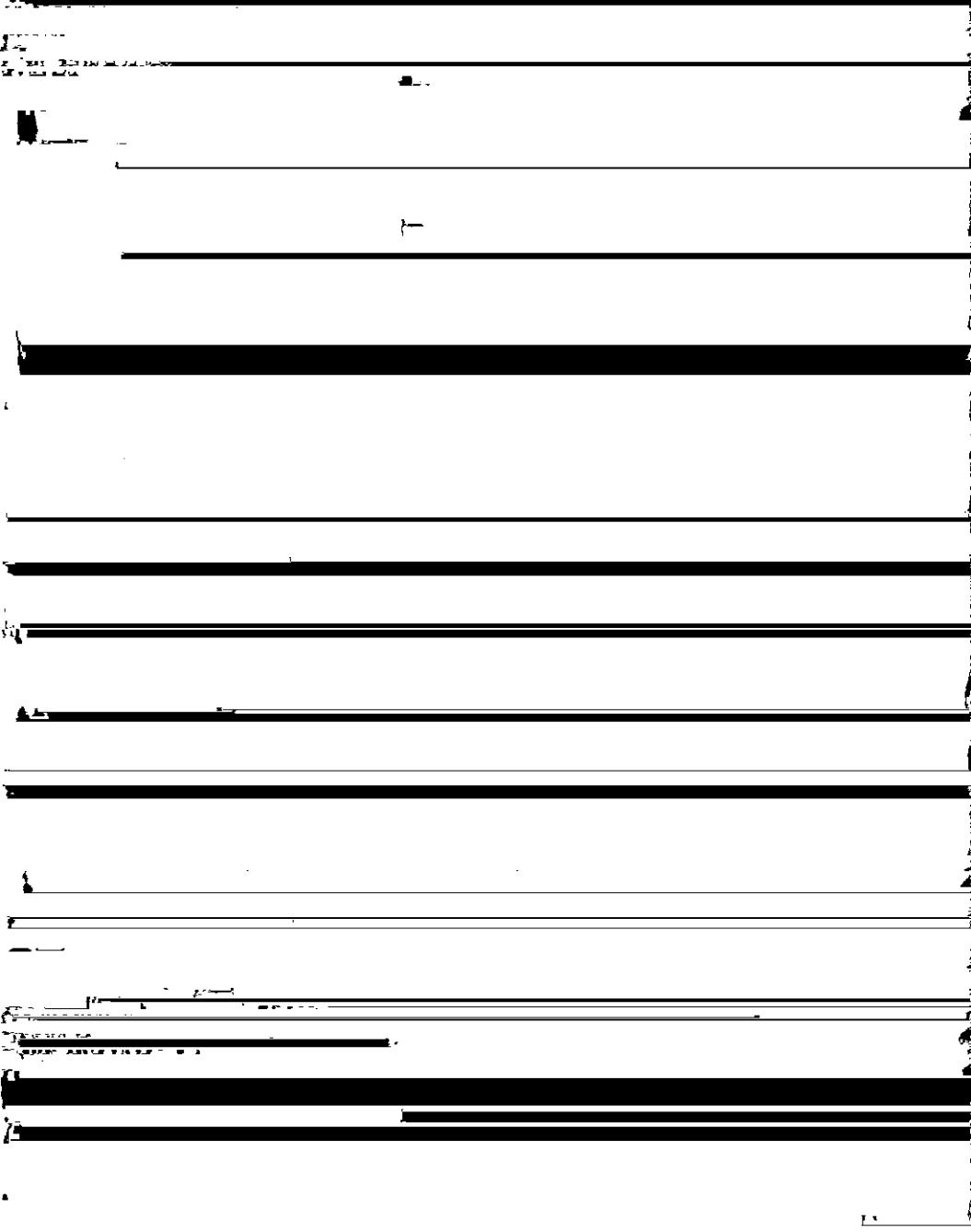
Le fédéralisme canadien est en crise et nous



À l'origine, le modèle constitutionnel accordait la primauté au



Ce serait folie que de prétendre que l'échec de l'Accord rend le démembrement de la fédération canadienne inévitable. Cependant, on ne saurait écarter cette éventualité. Il y a, bien sûr, d'autres possibilités, dont un



À l'époque, la grande question était de déterminer qui, des pouvoirs publics ou de l'Église, devait avoir la mainmise sur les collèges et universités et en assurer l'existence. Cette controverse fut la «bête noire» de toutes les provinces pendant une bonne partie de la seconde moitié du dix-neuvième siècle, et il