

# The Economics and Politics of Trade in Services: A United States Perspective<sup>1</sup>

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## I. Introduction

Although for quite some time economists have treated transactions in »goods and services« under a unified analysis of market transactions, government policy makers whose focus is international trade have disaggregated the goods-and-services bundle. Acting in accord with the inclinations of much older economic teachings,<sup>2</sup> policy makers have concentrated on international trade in goods but traditionally have paid little attention to trade in services.

With changing world economies, however, numerous »service industries« have assumed increased prominence, especially in more advanced economies.<sup>3</sup> These industries include banking, finance, insurance, construction, engineering, transportation, travel, retailing and wholesaling, real estate rental, medicine, law, accounting, consulting, advertising and information, communications, data processing, management, food preparation, recreation, personal care and education.<sup>4</sup>

The growth of services in the United States, and of their contribution to the United States' economy, is illustrative. The precise figures are subject to argument, but the same picture emerges from any method of accounting for various sectors' contributions to the national economy. In 1948 services

2 Writers as diverse as Adam Smith and Karl Marx treated services as a category of economic activity distinct from and inferior to production of goods.

3 See Gibbs, *Continuing the International Debate on Services*, 1985 J. WORLD TRADE L. 199, 203.

4 *Id.*

accounted for about \$140 billion (or 54 %) of the United States' Gross National Product.<sup>5</sup> In 1981 this figure had grown to \$1.95 trillion in a \$3 trillion economy.<sup>6</sup> By 1987 the total contribution of services exceeded \$3 trillion of the roughly \$4.5 trillion United States' GNP.<sup>7</sup>

Even more marked changes in employment have accompanied this growth in services-related activities. From 1960 to 1984, the share of services activities in non-agricultural employment in the United States grew from 62 % to 72 %, and in the past two decades, about 86 % of employment growth occurred in services industries. In 1983 some 53 million persons were employed in services industries in the United States: 9.5 % of these, in transportation, 10.1 %, in wholesaling, 10.4 %, in finance, insurance and real estate, 30.8 %, in retail services, and 37.6 %, in a general category, which accounts for a large share of the overall growth in services employment.<sup>8</sup>

Much of this growth in services has been concentrated in what are referred to as »information services.« A survey of employment trends in the United States over the past century for agriculture, general industry, information services and other services found a sharp decline in agricultural employment and a steep rise in employment related to provision of information services, while employment in the other sectors showed relatively little change (the proportion of workers employed in provision of other services modestly increased, and industrial employment's share of the labor market modestly declined).<sup>9</sup> Similar changes in employment for provision of services in general and information services in particular have occurred in other countries as well.

As services industries have grown, international flows of people and products associated with services also have increased. The official balance-of-payments figures of the International Monetary Fund indicate that between 1970 and 1982, world trade in services grew at an annual rate of about 15 %, just about the same as the increase in international trade in goods.<sup>10</sup> While trade in services

5 J. ARONSON & P. COWHEY, *TRADE IN SERVICES* (1984).

6 *Id.*

7 ECONOMIC REPORT OF THE PRESIDENT 320 (1989) (calculated by standard industrial classification as GNP less all manufacturing, agricultural production and mining).

8 Feketekuty & Hauser, *The Impact of Information Technology on Trade in Services*, in *SERVICES IN TRANSITION: THE IMPACT OF INFORMATION TECHNOLOGY ON THE SERVICE SECTOR* 81-97 (ed. by G. Faulhaber, E. Noam & R. Tasley 1986).

9 D. MARCHAND & F. HORTON, *INFOTRENDS* (1986): Figures from a broad array of developed and developing countries show substantial variation in the contribution of services to GDP (ranging from one-quarter to nearly two-thirds) and general stability in the proportion of each economy accounted for by services. See also R. SUMMERS & A. HESTON, *THE INTERNATIONAL DEMAND FOR SERVICES* (Discussion Paper No. 32), Fishman-Davidson Center for the Study of the Service Sector, The Wharton School, University of Pennsylvania, Philadelphia, PA (January 1988).

10 The rate for services was 14.7 % per annum over this period, compared to an annual growth rate of world trade in goods of 15.4 %.

thus is not increasing in relative importance, the volume of such trade is clearly growing substantially. For 1985 global trade in services was estimated at \$600 billion.<sup>11</sup>

These changing economic realities have caused policy makers (and others as well) to focus greatly increased attention on international trade in services. Any effort to discuss, and especially to devise rules for, international trade in services must confront several difficulties, which can be separated into categories of theoretical, practical and political problems. We address these three categories below in Parts II, III and IV of this paper. The issues in these categories are closely related and hold considerable significance for the probable course to be taken in concluding any international agreement on services trade. Information respecting current rules on trade in services specific to the United States is presented in Part V.

## II. Defining Services

### A. *Services vs. Goods*

The first step in discussing trade in services is defining that category of trade. If a generic set of rules for such trade is contemplated (either as a complete agreement or as a base on which more particular agreements will be built), the generic definition of the subjects of such trade and of the instances for such trade will be essential to the discussion. Unfortunately, this is not by any means a simple task.

We begin by considering what constitutes a »service.« Two competing uses of that term are common. One common-sense definition is that services are commercial activities that do not result in the production of tangible goods.<sup>12</sup> Haircutting or -styling produces an attractive hair-do (one hopes); medical services produce healthier patients. None of these services actually produces goods, even though some services are performed *on* goods. Laundering or drycleaning, for instance, produces clean clothes, but neither produces the clothes themselves.

11 Feketekuty & Hauser, *supra* note 8. The IMF's estimate of \$370 billion is considerably lower. Although this discrepancy may appear striking, it appears to follow from difficulties in measuring trade in services. Some of the reasons for these difficulties are suggested *infra*.

12 See, e.g., Hill, *On Goods and Services*, in *REVIEW OF INCOME AND WEALTH* (December 1977).

This negative definition of services – as activity that is not the production of goods – certainly was what Adam Smith had in mind when he opined that services were non-productive. He did not elaborate the basis for this belief, other than to note that, as defined, services do not produce goods. Smith assumed that all productive labor yielded material outputs. This proposition has been characterized as declaring that »the person who built the violin that Heifetz uses was a productive worker, but when Heifetz plays before an audience of several thousand people, he is not productive.«<sup>13</sup> As Smith contemplated trade only in the articles that were more efficiently produced in the exporting nation, this distinction of services from productive labor led him to exclude services from the ambit of activities he thought suitable for trade.<sup>14</sup>

Plainly, the distinction of goods from services on this basis does not, as Smith thought, separate valuable from valueless activity, and little attention today is paid to Smith's comment. Smith's mistake does, however, suggest a difficulty with the distinction of services from goods. The sense of defining services as »not goods« is the importance of distinguishing *things* from *actions* or, put differently, stocks from flows. These concepts are distinguishable, but the value of the good itself (the stock) is widely understood to be the value of its use over time (its flow). So, too, the value of the flow of individual actions may be (or may not be) represented in a good, although that tells us little about the value of those actions or the time over which that value will be enjoyed. As arguments in terms of »labor value« have stressed and as the first common-sense definition recognizes, tangible goods are always the product of an activity, so that the distinction in practice becomes less the separation of *goods* from *actions* but of some actions from other actions.

A second common-sense definition of services does not categorize explicitly on the basis of this distinction, recognizing that the term »services« as commonly used includes much activity that *is* embodied in tangible goods. Although the waiter's services are quite plainly evanescent, for example, the chef's actions are less so. A pastry chef may work for a restaurant or for a bakery and produce quite tangible goods (goodies) for either. Restaurants, however, generally are thought of as providing services, while bakeries produce goods. Similarly, the lawyer's services can include advice rendered verbally or information embodied in documents that can be sold to clients; construction services can be incorporated in movable, or in immovable, goods; the architect can produce a saleable blueprint, and so on.<sup>15</sup>

13 Ginzberg, *Informatics and the Emerging Service Economy*, in *THE MANAGEMENT OF TRANSBORDER DATA FLOWS: U.S.-CANADA AND BEYOND* (ed. by J. Ruggie 1984).

14 A. SMITH, *THE WEALTH OF NATIONS* (1776).

15 See G. FEKETEKUTY, *INTERNATIONAL TRADE IN SERVICES: AN OVERVIEW AND BLUEPRINT FOR NEGOTIATIONS* (1988).

The second common-sense approach attempts to avoid the difficulty among activities and instead categorizes certain lines of business – communications, food preparation and delivery, transportation and so on – as performance of services, irrespective of the role played by the tangible goods in that business. This definition, too, is problematic. First, one must ask why the various businesses are joined in the generic »services« category. The answer surely is that they do not consist principally of activities that produce goods, or at least not goods that are common objects of trade. Second, none of the *lines of business* is self-delineating; where, for example, is the line to be drawn between the production of telecommunications equipment and its use to transmit messages?

Given this melding of activities that produce goods and activities that produce services, commentators have questioned the utility of separating goods from services. Some have stated that the distinction between goods and services may involve nothing more than the distinction between services performed internally to a firm in the production of goods and the same services performed outside the firm on a »for hire« basis.<sup>16</sup> Other commentators have found no sound basis for distinguishing between goods and services at all.<sup>17</sup>

The difficulty of distinguishing between goods and services is of more than semantic importance. The confluence of those categories suggests that the actual business arrangements being described can, at least within limits, be organized to shift activities from »goods« to »services« or *vice versa*. Increased attention to trade in services, indeed, may in some measure reflect such shifts in response to changing economies of production. More to the point for our purposes, the rules governing trade in services should be crafted in such a way that they do not promote wasteful reorganizations of underlying business activity designed solely to allow such a recharacterization between these categories.

This last consideration underscores the need to appreciate the purpose for which a distinction between these not so readily distinguished classes of economic activity is offered. Our concern is with trade, especially with the rules that govern trade. If services are distinctive, their differentiating feature should have implications for trade. As an initial proposition, we suggest that, at least for the discussion, a qualifier to the first definition of services discussed above may make the distinction of services from other commercial activities somewhat more useful. We begin with the observation that widely accepted rules exist to

16 See J. Bhagwati, Trade in Services and Developing Countries, Xth Annual Geneva Lecture at the London School of Economics, p. 7 (1987).

17 See, e.g., S. Hirsch, Services and Service Intensity in International Trade, Trade Policy Research Centre, mimeo (1987) (for international trade purposes, at least, the distinction between goods and services is without merit).

govern the international treatment of goods that move in international commerce (tradeable goods) but not, in general, for other commercial actors and activities. A plausible separation of activities that should be of special interest now for purposes of international trade would separately define as »services« those commercial activities that are not embodied fairly directly in tradeable, tangible products.

This revised definition still does not provide a thick and impenetrable line between services and goods, but it does comport better with the common-sense distinction. If we return to the pastry chef, although his activities in the restaurant produce goods, they do not produce goods that can readily be resold to others, which we will refer to as »tradeable« goods. For quite sound economic reasons, as well as social ones, patrons seldom leave a restaurant with pastries in their pockets and then endeavor to resell them. In contrast, the chef's activities for the bakery do produce tradeable (if perishable) products. This distinction also separates the lawyer's advice to a client on a particular problem bounded by specific facts – whether rendered verbally or in writing – from books giving general advice on legal issues.

Having hypothesized a distinctive category of commercial activity that can be denominated as services, the salient question is whether such activity is meaningfully distinguished only by the fact that it has, for whatever reason, escaped the current framework generally governing international trade. If services are meaningfully different, what rules should govern trade in them, and are those rules different than those governing trade in goods? Of course, on the one hand, there is much that distinguishes one service from another that has important implications for international trade; on the other, there are many similarities between trade in goods and trade in services. Indeed, much trade in services may move in tandem with trade in industrial products. But is the service component of such trade properly governed by the same rules as trade in goods?

Parts III and IV below explore, respectively, the economic and political characteristics of services, as distinguished from goods. We find that the economic forces that govern decisions respecting the purchase and supply of services are essentially the same as those that govern decisions on supply and demand for goods. The differences between these categories are not in the essential *nature* of their economic determinants but in the *particulars* of their application and, to a greater degree, in political responses to them.

## B. *Trade in Services vs. Foreign Direct Investment*

Before essaying that evaluation, a second definitional issue should be noted. Even if one can define a separate category of services, it is not a simple matter to identify the instances of international »trade« in services. The common definition declares that any activity performed by a citizen of one country and paid for by a national of another constitutes trade.<sup>18</sup> This activity, however, blends into another category of international business transactions.

The efficient vehicle for provision of many services by producers in one country to consumers in another has been through creation of a permanent presence in the foreign country, as by the establishment of foreign affiliates. Investment of capital in such affiliates or in permanent structures from which services will be sold is denominated as foreign direct investment (FDI) rather than as trade in services.<sup>19</sup>

The magnitude of trade in any given sector bears no determinate relation to FDI. Large FDI can generate little trade in services (as opposed to returns from home-country investment in provision of services to foreign nationals by foreign nationals); small FDI can generate large trade in services. The same is true for FDI and trade in goods.

In services, however, the distinction between trade and FDI can be particularly difficult. It is notable that FDI is especially significant in many service industries – communications, computer services, construction and engineering services, educational services, franchising, health services, insurance, banking and motion pictures<sup>20</sup> – and accounts for a substantial share of the income of many firms in such industries. Indeed, for numerous services industries, FDI is the predominant means of providing services to foreign customers: the insurance, engineering, data-processing, investment-banking and brokerage, advertising, leasing, accounting and retailing industries all derived more than 75 % of their total foreign revenues through the sales of foreign affiliates (and thus

18 INTERNATIONAL MONETARY FUND, *BALANCE OF PAYMENTS MANUAL* para. 408 (1977) (hereafter »IMF«).

19 The IMF defines trade as »transactions between residents and non-residents«; it defines FDI as the acquisition of »an effective voice in the management of the enterprise.« See IMF, *supra* note 18.

20 U.S. DEPARTMENT OF COMMERCE, *U.S. SERVICES INDUSTRIES IN WORLD MARKETS: CURRENT PROBLEMS AND FUTURE POLICY DEVELOPMENT* 27-29 (1976). FDI in many of these sectors has grown rapidly. For example, in 1950 only seven U.S. banks had activities abroad; by 1984 more than 150 banks with over 1000 branches had overseas assets of more than \$337 billion. I. WALTER, *GLOBAL COMPETITION IN FINANCIAL SERVICES: MARKET STRUCTURE, PROTECTION, AND TRADE LIBERALIZATION* 10 (1988).



through means other than what is officially counted as »trade in services«).<sup>21</sup> In 1982 the average value of foreign direct investment per U.S. affiliate abroad was \$11 to \$12 million in banking, insurance and retail trading.<sup>22</sup> Between 1977 and 1985, the U.S. services industries' stock of foreign direct investment abroad grew from \$60 billion to \$111 billion, representing 44 % of the total U.S. stock of foreign direct investment.<sup>23</sup> Many other advanced economies also had a substantial share of their total FDI invested in service industries.<sup>24</sup> Not all services industries, however, generate significant FDI. Notably, travel, franchising and licensing, which earn much of what is counted as services export earnings, are defined as trade and hence conceptually cannot derive their earnings from »sales of foreign affiliates,« whatever their local investments may be.

Our focus is on<sup>25</sup> trade in services rather than foreign investment or trade in goods, but we recognize that the distinctions among these categories arbitrarily divide events that, if separable, are functionally linked.<sup>26</sup> We also recognize that discussion of trade in services must be sensitive to the similarities, as well as the differences, between that and other forms of commerce within and among nations.

### III. The Economics of Trade in Services

#### A. *Practical Aspects of Services Trade*

In evaluating the economics of trade in services as distinct from trade in goods, the aspect of services activity that may be significant is the absence of a physical

21 UNITED STATES OFFICE OF TECHNOLOGY ASSESSMENT, *TRADE IN SERVICES: EXPORTS AND FOREIGN REVENUES* 43 (1986).

22 U.S. DEPARTMENT OF COMMERCE, *U.S. DIRECT INVESTMENT ABROAD: 1982 BENCHMARK SURVEY DATA* (1985).

23 Sauvant and Zimny, *Foreign Direct Investment in Services: The Neglected Dimension in International Service Negotiations*, in *WORLD COMPETITION* 27, 28 (October 1987).

24 For example, the comparable figure was about 30 % for Japan and Canada and 10 % for the FRG. *Id.*

25 OFFICE OF TECHNOLOGY ASSESSMENT, *supra* note 21, at 43. Those service industries in which both exports and FDI sales appear to be important include transportation, communications, construction, film rentals, health, information, consulting and software. *Id.*

26 Some commentators have argued that the failure accurately to separate FDI from trade in services seriously distorts the official figures on each. *See, e.g.*, J. FRANCOIS, *PRODUCER SERVICES AND THE INTERNATIONAL DIVISION OF LABOR* (U.S. Int'l Trade Comm'n 1988).

product that can be seen moving across borders. For many services, there is no end product at all, separate from its provider and recipient, to move in international commerce. For trade in such services to take place, the individuals who provide or receive the service must be mobile. That requirement poses very real practical obstacles to international trade in such services. Thus, services such as hairstyling or routine medical or dental care, for instance, are essentially local events. The service itself cannot be rendered at a distance, and given the value of these services and the costs of transporting the participants in them, as well as the relative non-uniqueness of the service, it is quite unlikely that international trade will be significantly implicated in their provision.<sup>27</sup>

These examples do not, however, capture the full range of services. Even though no physical product crosses international borders, for some services, trade may take place economically through the movement of individuals across borders. Moreover, other services yield (or use) a product that, although not tradeable in the sense of ordinary commercial goods, can travel in international commerce.<sup>28</sup> For many of these services, such as laundering and drycleaning, the value of the service will not justify the cost of transportation for the goods on which the services are performed. But for yet other services, such as data processing, the cost of the movement of goods to obtain or provide the service often will be relatively slight in comparison to its value. Indeed, services range from those for which trade seems quite unlikely to those for which trade is uncommonly economical when compared to the mine-run of goods.

The considerations that govern the flow of services – in persons providing or receiving services or in goods on which services are performed or that, as with specialized information, are the product of the service – appear indistinguishable from the forces that determine trade flows in goods. The similarity goes beyond the obvious generality that the magnitudes, directions and composition of both sorts of trade are determined by the relative balances of costs and benefits of trade for the goods and services. Less obviously, although the costs for trade in services do not exactly mirror the costs of trade in goods, the costs of trade do not differ systematically between goods and services. In

27 Perhaps we should say that international trade generally does not play a significant *direct* role in the provision of such services. It may play a much more substantial role indirectly through the international transportation of information about these services, including international transportation of individuals who have acquired knowledge about the service abroad, for instance the »cordon bleu« trained chef or the Paris-trained hairstylist. See G. FEKETEKUTY, *supra* note 15.

28 Such services have been referred to as »separable.« See Sampson and Snape, *Identifying the Issues in Trade in Services*, in *WORLD ECONOMY* 171, 172-73 (June 1985). Any service that consists mainly of provision of information (which can be transcribed onto a computer tape or onto a piece of paper or communicated electronically) can be thought of as separable.

addition, the sources of benefits from trade in services – the efficiency gain attainable from performance of a given activity by particular individuals or at particular sites, which might be referred to as the value of mobility – are essentially the same as the sources of gains from trade in goods, including differential access to physical resources, specialized skill or knowledge and economies of scope or scale.<sup>29</sup> We will review briefly the sources of both gains and costs for trade in services.

## B. *Gains from Trade*

The theory of comparative advantage, first explicitly articulated by Ricardo, explains much of the gain from trade in services.<sup>30</sup> Comparative advantage begins with differences in factor endowments.<sup>31</sup> Some country-specific factors are a basis for international trade in services; tourism provides obvious examples. While the efficiency gain attainable from having access to a particular hairstylist seldom will justify the cost to either producers or consumers of travelling to the other country, for many people the value of seeing the Eiffel Tower in person or walking along the Champs Elysee more than justifies the cost of getting to Paris.

The theory of comparative advantage shades into newer theories of international trade that differ in emphasis and, to some degree, prediction respecting trade flows.<sup>32</sup> New theories of trade emphasize the existence of differences in the

29 See, e.g., Grubel, *There is No Direct International Trade in Services*, AM. ECON. REF. PAPERS & PROC. (Mar. 1987); Mundell, *International Trade and Factor Mobility*, 47 AM. ECON. REV. 321 (1957). So-called »learning curve« effects reflect both specialization and economies of scope or scale.

30 See Deardorff, *Comparative Advantages and International Trade and Investment in Services*, in TRADE AND INVESTMENT IN SERVICES: CANADA/U.S. PERSPECTIVES (ed. by R. Stern 1985); A. Sapir and E. Lutz, *Trade in Services: Economic Determinants and Development-Related Issues* (World Bank Staff Working Paper No. 480, August 1981).

31 B. OHLIN, INTERNATIONAL AND INTERREGIONAL TRADE (1933); Samuelson, *International Trade and the Equalization of Factor Prices*, 58 ECON. J. 163 (1948); Samuelson, *International Factor Price Equalization Once Again*, 59 ECON. J. 181 (1949).

32 S. LINDER, AN ESSAY ON TRADE AND TRANSFORMATION (1961), was an early statement of the view that trade may reflect economic forces other than comparative advantage. Later works explain why trade patterns at times appear to violate predictions based on comparative advantage, e.g., the existence of much trade among countries that are similarly capital-rich (rather than between countries of differing capital abundance). See, e.g., E. HELPMAN & P. KRUGMAN, MARKET STRUCTURE AND FOREIGN TRADE: INCREASING RETURNS, IMPERFECT COMPETITION, AND THE INTERNATIONAL ECONOMY (1985). In substantial measure, these phenomena can be explained by more discriminating accounts of national comparative advantage (e.g., differences in cost of employing specific factors such as capital of various sorts as opposed to overall size

pace of development of new technology in different countries as the explanation of trade between those countries.<sup>33</sup> Technological disparities may result from differences in domestic market characteristics and size (which often have been identified as sources of comparative advantage)<sup>34</sup> or from national patterns of investment in research and human capital.<sup>35</sup>

Scale economies – efficiencies generated when more of a given service is provided – are another source of differential efficiency in provision of services in particular countries. Such economies are associated more frequently with new, capital-intensive technologies than with older, labor-intensive technologies. Similarly, economies of scope – efficiencies generated when related services are provided utilizing common outputs – may provide a basis for concentration of benefits in a particular country.

Much of the recent writing respecting international trade has explored the trade implications of such economies.<sup>36</sup> These writings suggest that the country that, for whatever reason, has made the earlier or larger investment in the use of a new technology with scope or scale economies can often enjoy significant cost advantages in its exploitation; that country then will export the products or services produced with the new technology.

In some measure, either explanation – comparative advantage or economies of scale and scope – fits the provision of some services by a small number of specialists (in medical procedures, in architectural or fashion design, in putting out oil-well fires, or in other services) whose skill cannot readily be duplicated. Such specialists embody »human capital« (from education or experience), which will not be evenly distributed across countries and – providing a source of comparative advantage and, like other forms of capital investment, specialized knowledge or skill – often will generate economies of scope or scale over

of capital stock; after all, trade among capital-rich nations should be expected to dominate trade between rich nations and poor nations for the reason Willie Sutton gave for robbing banks: that's where the money is). See Feketekuty, *Negotiation Strategies for Liberalizing Trade in Investment in Services*, in TRADE AND INVESTMENT, *supra* note 30.

33 See E. HELPMAN & P. KRUGMAN, *supra* note 32.

34 Ricardo, who developed the theory of comparative advantage, emphasized the importance of differences in technology between countries as a source of comparative advantage. D. RICARDO, *THE PRINCIPLES OF POLITICAL ECONOMY AND TAXATION* (1817).

35 See E. HELPMAN & P. KRUGMAN, *supra* note 32.

36 See, e.g., *id.*; Brander & Spencer, *Strategic Commitment with R&D: The Symmetric Case*, 14 BELL J. ECON. 313 (1983); Gruenspecht, *Dumping and Dynamic Competition*, 25 J. INT'L ECON. 225 (1988).

some region of output. This sort of specialized skill or information appears increasingly to be a component in much of the observed trade in services.<sup>37</sup>

### C. *Cost of Trade*

The cost of trade in services also responds to considerations similar to those that govern the cost of trade in goods. The similarity between cost of trade in services and cost of trade in goods is greatest where the services at issue is performed on tangible goods, as with the drycleaning example. Where goods are the most mobile element in a service relationship, the cost parameters will generally be set by the weight of goods, their durability or fragility (perishability is a subset of this more general set), and the time frame within their movement. This last variable – the time frame – often will distinguish movements of goods for purposes of trade in those goods from movement of goods for purposes of trade in services. Especially if the transport of goods for a given service requires a significantly faster movement that would be appropriate to trade in the same goods, the mode of transport and costs associated with it may be much higher for trade in services than for trade in goods. For example, although clothes and carpets are routinely traded, they are not shipped similar distances for cleaning, partly because the cost of transportation for cleaning would be significantly higher given the time demand associated with such services.<sup>38</sup> Thus, even where services are performed on goods, rather than (as with health care) on individuals, it is sometimes economical only to perform services locally on some goods that are routine commodities for international trade.

Some goods, however, have quite low costs of mobility even when transported in connection with services. The two service-related goods that routinely appear to have quite low marginal costs of mobility are information (which often is the product of services) and money (the good on which financial services are performed). The two goods are closely related, as today the movement of money

37 See S. Sagari, *The Financial Services Industry: An International Perspective*, unpublished doctoral dissertation, Graduate School of Business Administration, New York University (1986) (test of the Hecksher-Ohlin model of comparative advantage on international patterns of bank lending, finding that skilled labor is a significant determinant of comparative advantage). See also Walter, *supra* note 20, at 82 (importance of specialized information). Cf. Baldwin, *Determinants of the Commodity Structure of U.S. Trade*, 61 AM. ECON. REV. 126 (1971).

38 It also appears that economies of specialization do not occur in respect of cleaning services to the same degree as in production of carpets or clothes.

often consists of communication of information about financial credits and obligations.<sup>39</sup> The information itself is intangible (hence, extremely lightweight); and, once information is produced, there is (virtually) no cost to repetition, so that communication to a group is more costly than communication of the information to a single client only so far as additional transmission costs are incurred.<sup>40</sup> The communications services that perform the transmission function for information-based goods are characterized by substantial economies of scale.<sup>41</sup> Such economies may be associated with transmission of some particular type of message but more often will be a general function of the flow of all communications over the transmission medium.

Important to understanding the substantial increases in the international trade of services is the dramatic decline that has occurred over the past four decades in the cost of communications (especially as adjusted for speed and quality). For example, the annual capital cost for the submarine part of a transatlantic circuit has declined from more than \$40,000 in the mid-1950s to under \$400 in 1988 and is projected to drop below \$120 in the near future.<sup>42</sup> Although various pricing strategies have kept prices of many communications services from declining as rapidly as costs, it is becoming almost as inexpensive to deal with an expert halfway around the globe as with one across town.

The cost associated with movement of individuals who may be providing a service or receiving a service is also likely in part to vary with the movement of all individuals over similar transportation vehicles and paths. The cost of sending a lawyer from New York to London or Tokyo differs from the cost of moving the same lawyer to Ouagadougou or Bahia Bianca, not only as a consequence of the distances involved but, more importantly, of the economies of scale attainable with the movement of larger numbers of passengers. The other principal determinant of the cost of mobility of individuals is the opportunity cost of their travel. Individuals with higher incomes generally have higher opportunity cost for their time relative to that of individuals with lower income, although they often experience some savings as a result of the frequency of their travel (lowering costs associated with learning how to get one place to another and how to adjust to being in the foreign environment). The costs of long-term movement may be particularly great for high-income individuals, who generally

39 See, e.g., A. SAUNDERS, *THE INFLUENCE OF NEW COMMUNICATIONS TECHNOLOGIES ON BANKING AND FINANCE*.

40 That does not, of course, mean that the *value* of the information to a client is necessarily unaffected by the number of other persons who receive it.

41 See, e.g., *BREAKING UP BELL: ESSAYS ON INDUSTRIAL ORGANIZATION AND REGULATION* (ed. by D. Evans 1982).

42 1987 KESSLER MARKETING INTELLIGENCE, *WORLDWIDE MARKETS FOR UNDERSEA FIBEROPTIC SYSTEMS* 49.

have considerable capital associated with their permanent location in a given place, such as valuable, established business relationships and property.

#### D. *Services' Tradeability*

Consideration of the costs and value of mobility suggests differences in the likelihood that, other things being equal, certain generic types of services will be significantly involved in international trade, while other services are extraordinarily improbable candidates for trade. The clearest dividing line separates »up-scale« from »down-scale« services.

It is relatively unlikely that low-skill, low-wage services, such as waiting tables, housecleaning or other domestic work, will be traded frequently. These services do not require specialized information or experience and do not exhibit significant economies of scale or scope. There will, thus, be little gain from concentrating provision of services in a single enterprise, and given the necessity of local performance of these services, there is no prospect for geographic concentration of their production.

This does not deny that some nations will have a comparative advantage in the production of these services. Manifestly, nations in which there is a large labor force that has few highly remunerative options enjoy such a comparative advantage. Down-scale services in these nations will initially be offered at lower prices than in other nations. Because factor movements can substitute for trade in the end-product itself,<sup>43</sup> economic forces that promote uniform prices for given products can be expected to induce some movement by both potential recipients of these services and potential providers. Both tourism from capital-rich to labor-rich nations and immigration in the opposite direction can, to some extent, be characterized as such factor flows. Tourism in particular is an important vehicle for trade among nations, although it very often is tied to factors unrelated to labor costs, such as natural geophysical endowments or man-made creations, whether modern (such as Disneyland) or ancient (for examples, the relics of ancient Rome or Athens or Jerusalem).

Yet, differences among nations in the pool of low-skilled, low-wage labor, standing alone, are not likely to lead to substantial trade (as commonly conceived) in low-skilled services, at least where the service cannot be performed on mobile goods. The lower price of these services in countries with abundant

43 See, e.g., B. OHLIN, *INTERREGIONAL AND INTERNATIONAL TRADE* (1933).

low-skilled labor<sup>44</sup> will not be sufficient to induce substantial movement of potential consumers of these services, as the consumers seldom will value the services highly enough to warrant such movement. The movement of providers of such services, although not infrequent, is substantially constrained by restrictions on immigration. Further, as the providers' movement is likely to be for an extended period, the resulting economic activity will not appear in statistics counting trade in services.<sup>45</sup> Thus, many services that require low-skilled labor, e.g., housecleaning, are unlikely to be the subject of direct international trade.

The services that are most likely to be traded internationally on a routine basis will be those characterized by specialized skill or knowledge and relatively inexpensive movement of the service-related good (especially information and financial accounts) or, less often, of the service provider. Such services, for which productivity differentials among countries are most likely to be large enough to exceed the costs of mobility, will be those in which the more advanced and highly-skilled industrial economies should enjoy comparative advantage.<sup>46</sup>

For these reasons, the United States, in sharp contrast to its trade in goods account, has shown substantial annual surpluses in the services account of its balance of payments consistently since the late 1970s.<sup>47</sup> A similar propensity to engage in services trade characterizes other advanced economies. According to the International Monetary Fund's estimates for 1988, services exports from the countries comprising the European Economic Community accounted for about half of the global trade in services (much of that is trade among the member countries).<sup>48</sup> Service exports from the United States accounted for an additional 10 % of such trade, with Japan's exports accounting for about 6 % and Australia, just under 4 %.<sup>49</sup> These top-10 services exporters, all relatively

44 See, e.g., Bhagwati, *Why Are Services Cheaper in the Poor Countries?*, 94 *ECON. J.* 279 (1984). See also Bauer & Yamey, *Economic Progress and Occupational Distribution*, 12/1951 *ECONOMIC JOURNAL* 741; Karavis, Heston & Summers, *The Share of Services in Economic Growth*, in *GLOBAL ECONOMETRICS: ESSAYS IN HONOR OF LAWRENCE R. KLEIN* (ed. by F. Adams and B. Hickman 1982).

45 See *supra* note 20.

46 Evidence for this proposition is presented in Feketekuty, *supra* note 32.

47 Shelp, *Trade in Services*, *FOREIGN POLICY* 64, 76 (Winter 1986-87). See also *ELECTRONICS IN THE WORLD MARKETS - PRODUCTION/TRADE* 149, 161, 175 (graphically depicting very different developments in U.S. trade flows in certain formation services and related goods). Furthermore, the Congressional Office of Technology Assessment argues that U.S. exports of services between 1982 and 1984 were underestimated by between \$73 billion and \$128 billion. *Id.* at 77.

48 Services exports from the United Kingdom were estimated at \$37.1 billion; West Germany, \$33.8 billion; France, \$33 billion; Italy, \$23.5 billion; the Netherlands, \$18.6 billion; Belgium, \$14.9 billion; Spain, \$12.2 billion.

49 The IMF's figures for 1988 show exports of \$19.4 billion for Japan and \$10.8 billion for Australia.



advanced economies, accounted for more than two-thirds of the global trade in services.

While substantial growth in services trade clearly has occurred, especially among advanced economies, the difficulties of separating trade in services from other economic activity, discussed above, make all of the precise measurements of such trade suspect. The measurement difficulties are particularly evident when one reviews estimates of the trade in services for which the composition of trade is specified.<sup>50</sup>

Still, certain trends in such trade are evident. Whatever the precise composition of the trade in services, it appears that the growth in this trade can be traced back to increasing productivity differentials in services, especially in information-based services; decreasing costs in transportation and, even more, in communications have provided the critical supports to an increasing trade in services.<sup>51</sup> Information services have grown particularly rapidly, in part through increased specialization to capture economies of scale commonly associated with information.

This development also is related to another development, sometimes referred to as the growing »globalization« of business enterprises. The increase in services trade represents the disaggregation of a wide variety of commercial activities, with trade occurring in the most mobile portion of the activity. The separation of activities can take place across firms or within a firm but nonetheless across national borders. Thus, for example, a large construction company such as

50 ECONOMIC CONSULTING SERVICES, THE INTERNATIONAL OPERATIONS OF U.S. SERVICE INDUSTRIES: CURRENT DATA COLLECTION AND ANALYSIS 8, 70-194, 294 (June 1981) (providing different assessments of the composition of U.S. services trade for a single year).

51 See Gibbs, *supra* note 3. In linking the growth in services trade to the decline in the cost of transportation and, even more, communications, we should be careful not to draw too simple a connection between changes in these costs and services trade flows. Improvements in the technology on which a service relies do not necessarily affect trade flows. Take, for example, improvements in communications and data processing that decrease the cost of any constant quality unit of service. The price of such services, however, may or may not fall relative to other commercial activities. Prices are in part functions of *relative* marginal productivities. The improvement in communications or data-processing technology might generate an even larger increase in the productivity of another sector of the economy (such as industrial manufacturing) that intensively uses communications, increasing the marginal productivity of labor employed in that sector. The increased value of labor in this sector of the economy may increase labor costs within that sector, secondarily increasing the cost of labor elsewhere, including for services that rely on communications. The relative change in labor costs for a given service may be more or less than the change in communications costs for that service. Considerable information, thus, would be necessary to determine the consequence of a given technological change for the composition of commercial activity within the society and for its trade with other countries. See Baumol, *Information Technology and the Service Sector: A Feedback Process*, in SERVICES IN TRANSITION, *supra* note 8, at 183-93. That noted, it seems that in fact cost reductions (productivity gains) in communications and information processing have exceeded those occurring in other sectors of advanced economies.

Bechtel in California does not export actual building activity so much as the coordination of that activity utilizing specialized information. Through its private networks, Bechtel arranges for a construction project in Riyadh using financing provided in New York and Zurich, insurance from London, transportation from Rotterdam, construction subcontractors from Seoul, engineering in India, and European materials.<sup>52</sup> Similar examples can be found in many disparate lines of business.

#### E. *Summary: Economics of Services Trade*

In sum, the economic considerations that govern trade in services are not distinguishable from those governing trade in goods. These considerations do not seem to make services systematically more tradeable or less tradeable than tangible goods. That is not to say that the trade patterns for services and goods will be congruent. Services encompass both activities that seem particularly improbable candidates for trade in comparison to most goods and activities that (in whole or in part) appear eminently tradeable.

The vehicles for trade in services do differ from those by which goods are exchanged. In some measure services trade is through movements of individuals, often ones who possess specialized skills or information (but in some cases, notably tourism, of individuals who are to be service recipients), and more frequently through movements of information and financial accounts. The use of different vehicles for trade in services, however, does not have clear implications for the resulting trade flows or the rules appropriate to such trade. That is not to say that the means by which trade is conducted are irrelevant to either the pattern of trade that will be observed or the rules that are apposite to trade. Indeed, for information-based services, the mechanism for trade seems to be as significant as the nature of the product traded. The prospects for substantial economies of scale in both the information »product« that serves as the intermediary for these services and in the communications medium over which such information travels offer significant impetus to trade. But there is no *a priori* basis for predicting that for any particular information-based service, much less for services as a whole, these economies necessarily will be greater than those associated with a given category of goods or with goods as a class. There is, thus, little in the economics of services that suggests a basis for trade rules different from those governing trade in goods.

<sup>52</sup> See, e.g., P. KEEN, *COMPETING IN TIME* (1987).

## IV. The Politics of Services

If the economics of services do not offer a systematic basis for distinguishing rules appropriate for services trade from those for international trade in goods, perhaps the politics of services do. In particular, political responses derived from three attributes of services may provide some basis for distinction. First, as commonly understood and as we have emphasized in defining them, services are not fully embodied in tangible, tradeable goods. This fact may alter the effects of political supervision of this business activity and also may affect the form of any such supervision. Second, services trade occurs in part through movement of individuals. Political sensitivity to human ingress and egress traditionally has been greater than sensitivity to international movements of goods. Third, many services are integrally related to communications and to capital flows, matters that also touch sensitive nerves for most governments. Political reactions to these attributes are reflected in the current pattern of national regulation of services.

### A. *Government Regulation*

Before turning to the political regulation of services, we should note that many products are subject to governmental regulation of one or another sort – for instance, controls on the creation of new pharmaceutical products, requirements regarding the safety of equipment, the flame retardancy of clothing or the emissions from engines, or programs conditioning benefits for agricultural producers on reductions in the levels of production. For some products, such as pharmaceuticals, governmental regulation is extensive. Even where explicit and product-targeted regulatory controls are not used, governmental regulation in the form of tax laws, labor laws, generic health and safety regulation or product-liability laws often affects the cost of inputs or the means chosen for production of goods.<sup>53</sup> Moreover, while the particular occasions for governmental intervention may differ, regulation of goods generally responds to the same basic political instincts as informs regulation of services.

That said, regulation of services appears at least arguably distinguishable on several grounds. For one, particularized governmental regulation of specific products is more the exception than the rule in most market-oriented economies,

<sup>53</sup> See, e.g., P. HUBER, *LIABILITY: THE LEGAL REVOLUTION AND ITS CONSEQUENCES* (1988).

certainly in the United States. The reverse appears true for services. Further, although some products are extensively regulated, it is more common for government to regulate only specific aspects of product performance; products seldom are subject to the sort of comprehensive governmental regulation that is common for services. The form of regulation also differs, with exclusionary licensing common in services regulation, along with other control mechanisms over the provision of services, but quite rare for provision of goods. These differences appear to be responses to the attributes noted above. For example, as services are not embodied in tangible, tradeable goods, it often will be more difficult to regulate services by imposing performance requirements on the products of services-producing businesses than by imposing such requirements on goods. This partially explains the greater reliance on exclusionary licensing of services providers. Of course, the relation between particular attributes of business activity and the structure (or likelihood) of regulation depends on the ends to which governmental regulation is directed.

## B. *Regulatory Goals*

In this section, we briefly outline four possible bases for regulation of services. Three of the four regulatory goals can be characterized simply as different types of wealth redistribution, but we think they suggest disparate regulatory forms or incidence.

### 1. *Public Interests*

First, regulation might be predicated on public-interest concerns. Health and safety concerns could explain many services regulations, as has been urged, for example, with governmental regulation of the medical profession and of food services.<sup>54</sup> Other regulations have been defended on efficiency grounds; while market forces generally will move prices toward costs, the absence of tradeable markets for services' products arguably eliminates one important

<sup>54</sup> A wide variety of materials on regulation of food and drugs in the United States is collected in R. MERRILL & P. HUTT, *FOOD AND DRUG LAW* (1980). For an example of the pervasiveness of the assumption that regulating medical practice is a legitimate exercise of governmental power to promote citizens' health and safety, see Henkin, *What of the Right to Practice a Profession?*, 67 CALIF. L. REV. 131 (1970).

market impetus to efficient pricing.<sup>55</sup> Inefficient forms of »price discrimination« hence may be more common in respect of services than in ordinary commercial goods and government regulation of services, hence, more beneficial to the public.<sup>56</sup>

Although exclusionary licensing or other »front-loaded« measures are not necessarily required to capture this benefit, for some services, *ex ante* government regulation may prove a more efficient means of deterring undesirable activity, such as fraud, than *ex post* sanctions.<sup>57</sup> This may be especially true for services, such as insurance, that involve up-front payment for services to be performed perhaps well in the future. Even where businesses individually might take »bonding« measures to assure prospective customers of the trustworthiness of that particular enterprise (allowing competing enterprises to distinguish themselves on that score),<sup>58</sup> governmental regulation may provide a less costly and more secure alternative.<sup>59</sup>

Nearly any prohibitive regulation of services, indeed, has at least some possible public-interest explanation, even if such explanations prove controversial to many conceptions of the general public's interest. Thus, for example, some restrictions on services might be premised on concerns for national cultural identity, a form of public good. For instance, a requirement that entertainment or other services be provided only in the national language might be promoted on this ground.<sup>60</sup> So, too, restraints on immigration – an indirect limitation on individuals' ability to perform particular services in a given country – can be intended to preserve the cultural identity of the country.<sup>61</sup>

55 Of course, if international factor flows are not impeded, the adjustment in factor inputs should produce the same equilibration as would trade in end-products. See, e.g., Mundell, *International Trade and Factor Mobility*, 47 AMER. ECON. REV. 321 (1957). As indicated above, however, international movement of factors critical to services, such as individuals with specialized knowledge, often are impeded by both legal and practical constraints.

56 See, e.g., A. KAHN, *THE ECONOMICS OF REGULATION* (1971).

57 An excellent discussion of the choice between *ex ante* and *ex post* regulation, albeit in the context of safety rather than fraud, is Shavell, *Liability for Harm versus Regulation for Safety*, 13 J. LEGAL STUD. 357 (1984).

58 See, e.g., Jensen & Meckling, *Theory of the Firm: Managerial Behavior, Agency Costs, and Ownership Structure*, 3 J. FINANCIAL ECON. 305 (1976).

59 Of course, the question of what mode of control is in fact preferable on these grounds in any given case is an empirical one. See, e.g., Coase, *The Problem of Social Cost*, 3 J. L. & ECON. 1, 16-18 (1960).

60 Note Quebec French-language rules

61 An example of this is the reticence of Japan to permit the immigration of non-Japanese workers despite the apparent labor shortages within Japan.

## 2. *Limiting Competition: The Simple Case*

Many commentators who have examined governmental regulation of services (indeed, governmental regulation in general) have been quite skeptical of these public-interest explanations. In the United States, governmental licensing restrictions have attached to hundreds of services occupations.<sup>62</sup> Almost all of these restrictions have been justified as promoting the public health and safety or protecting the public against possible fraud.

It strains credulity, however, to assert that restrictions on the vast array of regulated occupations – covering barbers and beekeepers, tattooers and taxidermists, threshers and textbook sellers, beauticians and boiler inspectors, photographers and plumbers, social workers and septic tank cleaners, house sellers and horseshoers – are necessary to protect public health, safety and security. Skepticism is further fuelled by the observation that the demand to regulate »rarely comes from the members of the public who have been mulcted or in other ways abused by members of the occupation. On the contrary, the pressure invariably comes from members of the occupation itself.«<sup>63</sup> Even if one reads the history of occupational regulation as providing a more mixed picture, it remains true that the regulated occupation generally plays a significant role in shaping the government's regulatory program.

The simplest explanation offered for a wide array of governmental regulations, such commentators suggest, is the desire for practitioners of various occupations for limits on competition. Many regulated services can be provided only by a restricted group, not infrequently by well-connected and politically influential groups, such as lawyers and doctors, who collectively seem to be able to protect their economic interests more effectively than many others. The restrictions frequently apply only to new entrants and almost always have the effect of limiting additional competition with the individuals now providing the services at issue.<sup>64</sup> In many nations, special restrictions are placed on communications services, limiting who can provide such services (commonly allowing only a single, government-owned entity to provide many communications services) and also regulating to some extent what can be said.<sup>65</sup> While communications regulations have many explanations, the interests of government officials as a

62 See Gellhorn, *The Abuse of Occupational Licensing*, 44 U. CHI. L. REV. 6 (1976). See generally OCCUPATIONAL LICENSURE AND REGULATION (ed. by S. Rottenberg 1980).

63 M. FRIEDMAN, CAPITALISM AND FREEDOM 139 (1962).

64 See, e.g., Benham, *The Demand for Occupational Licensure*, in OCCUPATIONAL LICENSURE AND REGULATION, *supra* note 62; Gellhorn, *supra* note 62; Rose, *Occupational Licensure: A Framework for Analysis*, 1979 ARIZ. ST. L.J. 189.

65 See, e.g., PRESS LAW IN MODERN DEMOCRACY: A COMPARATIVE STUDY (ed. by P. Lahav 1985).

class often may be implicated in these regulations in a more direct manner than with the general run of commercial regulations.<sup>66</sup>

So far as national regulations specially limit competition from international competitors,<sup>67</sup> these can be seen as a subset of the more general category of competition-restricting regulations. The principal difference is that foreign interests are excluded from participation in the decision-making processes of government (usually as a formal matter and, to a great degree, as a practical matter as well); hence, they can be expected systematically to be handicapped by competition-restricting rules, while the distribution of benefits and burdens of such rules across each nation's citizenry is less determinate.<sup>68</sup>

### 3. *Cross-Subsidy*

A third purpose for regulation of services is redistribution of wealth among the users of a service, generally one that is ubiquitous, such as telephone service. One commentator has labelled this phenomenon »taxation by regulation.«<sup>69</sup> The insight encapsulated in that label is that prices, terms of provision and entry into and exit from the industry providing a service often are regulated in ways that effect redistributive transfers from one class of consumers of the service to another.

The explanation for this use of regulation resembles one public-interest argument for regulation of services – but with a very different emphasis on the goal for regulation. Unlike standard goods, which generally can be resold to undermine efforts at price discrimination, services often can be priced discriminatorily for extended periods. The discrimination in pricing can increase returns to the services provider as well as redistributing wealth among services

66 This observation has been offered to explain the particular restriction imposed on speech regulation in the United States. See, e.g., Blasi, *The Checking Value in First Amendment Theory*, 1977 AM. B. FOUND. RES. J. 521. This explanation does not fully account for the structure of U.S. law on speech regulation, but its focus on official incentives does offer an important datum for analysis of this area of law. See Cass, *The Perils of Positive Thinking: Constitutional Interpretation and Negative First Amendment Theory*, 34 UCLA L. REV. 1405 (1987); Cass, *Commercial Speech, Constitutionalism, Collective Choice*, 56 U. CIN. L. REV. 1317 (1988).

67 Although such restrictions often are covert, at times they are quite explicit and their rationale similarly clearly articulated. For example, Brazil has explained various restrictions on international trade in services as designed to assure »national control over the production of information resources,« in particular to develop its own computer, software, data-base and data-processing industries. See Shelp, *supra* note 47, at 69-70.

68 See, e.g., Brock & Magee, *The Economics of Special Interest Politics: The Case of the Tariff*, 67 REV. ECON. & STAT. 465 (1985); Finger & Nelson, *The Political Economy of Administered Protection*, 72 AM. ECON. REV. 452 (1982).

69 Posner, *Taxation by Regulation*, 2 BELL J. ECON. & MGT. SCI. 22 (1971).

consumers. In the United States, regulation of telephone, securities brokerage, banking and rail transport, to name just a few, has mandated (or at least encouraged) such cross-subsidy between service users.<sup>70</sup>

While restriction of competition may not be the primary goal of such regulation, it is a necessary concomitant. Without some restriction of competition, it is difficult to maintain cross-subsidies. The experience of U.S. telephone regulation over the past two decades is testimony to the conflict between subsidy and competition.<sup>71</sup> In many other countries, the relation between competition and subsidy is less evident, as governmentally operated monopolies provide the vehicles for shifting costs among groups of services users.<sup>72</sup>

#### 4. *International Wealth Transfer*

A final set of regulations appears designed to shift resources in a different way. Rather than effect a transfer among users of a particular service or from consumers to producers, these regulations are directed at transferring wealth from residents of one nation to residents of another.

Unlike the other regulations discussed above, the sort of governmental regulations most clearly designed to serve this function – such as foreign-exchange restrictions and limitations on the transfer of funds out of a country – do not appear designed for limiting imports and plainly do not appear to be directed specifically at constraining imports of particular services. However, especially when nations impose both constraints on wealth transfers and requirements that services be offered only by enterprises with a given commitment of resources in the regulating nation, the restrictions in combination can impose significant costs on enterprises offering various services.<sup>73</sup>

#### C. *Regulation and Trade: Concerns and Implications*

The existence of regulatory numerous national programs, each informed by different and often by multiple (and not necessarily compatible) goals, that limit

<sup>70</sup> *Id.*

<sup>71</sup> See, e.g., BREAKING UP BELL, *supra* note 41; G. FAULHABER, TELECOMMUNICATIONS IN TURMOIL (1987); Besen & Woodbury, *Regulation, Deregulation, and Antitrust in the Telecommunications Industry*, 28 ANTITRUST BULL. 39 (1983); Carlton & Lavey, *Economic Goals and Remedies of the AT&T Modified Final Judgment*, 71 GEO. L.J. 1496 (1983).

<sup>72</sup> See, e.g., EUROPEAN TELECOMMUNICATION ORGANISATIONS (ed. by J. Foreman-Peck & J. Muller 1988).

<sup>73</sup> Feketekuty, *supra* note 30, at 138.



the legally authorized provision of services may provide a partial explanation for the absence of clear, multilateral rules governing trade in services. At a minimum, these programs considerably complicate a discussion of trade in services. Political reaction to the growth in services trade illustrates the problem; such reaction has taken form as two competing concerns. One concern sees growth in services trade as desirable and focuses on the effect that governmental regulation of services can have on inhibiting trade in services. Another concern is the effect that trade in services can have on governmental regulation.

The two concerns focus respectively on the costs and benefits of governmental regulation of services; effects of the trade on either the costs or the benefits to government are apt to be the same. Governmental regulation itself can create differences in the efficiency of services rendered in different places, serving as an inducement to trade that might not occur if all services were subject to the same regulatory regime. The factors that determine the tradeability of services – and, hence, other things being equal, the expected flows of trade in services – also partially determine the degree to which regulation will be effective at limiting trade in particular services, either for good or for bad. Whether this trade is seen as reducing the cost of government regulation or as reducing its benefit is a matter of definition. The underlying distribution of costs and benefits from services regulation also is linked to the likelihood of trade in services.

### 1. *General Implications*

For trade negotiators, there seems little prospect for quick agreement on a single formula governing trade in services. Liberalization of services regulations generally may be resisted as an interference with internal politics, since very frequently, no matter what the impact on trade, the services regulation is supported by independent, internal political concerns. To the extent that liberalization is agreed to, any general formula for liberal trade in services will be unlikely to be sufficiently clear and binding to eliminate dispute over regulatory limitations on particular services. Particular disputes over services regulations are likely to generate agreement of the nature of regulation of services, as legitimate exercise of internal controls or as efforts simply to constrain international trade.

Reasoned analysis can contribute only modestly to resolution of these arguments. Plainly, it is quite difficult to structure observable data in a way that provides determinate information about the purposes that governmental officials