IN DEFENSE OF CARTER: A PERSONAL OVERVIEW

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study-an inclination which leads quite to do something other than just shower fulsome praise on the object of their Spring of 1967, and in part to try to counterbalance the natural inclination of to say or to add. In the present paper, I naturally to criticism of one kind or anin part because that is where I have done all these things. I have chosen as my major theme "In Defense of Carter" retrain from comment where I had little points of my own, and to feel free to issues raised in the papers and add criticism, to "take off" on the basis of to underline particular points that I participants in a symposium such as this the massive six-volume report in the stood ever since my first immersion in teel that, for better or worse, I have differ with statements that I felt merited ject matter treated in the other papers, to range freely and at will over the subthought were especially important, to N HIS original charge to me, the editor of this symposium invited me

In Section II I put on the stand my main "witnesses for the defense." Pechman and Okner are there to testify to the wisdom of the Carter system and to reveal the many ways in which applying it in the United States would improve the equity of our personal income tax structure. Stone takes the stand to state how the adoption of something like the Carter proposals in the U.S. would greatly reduce costs of administration and compliance. Break appears in order to underline the important contributions that the Carter system would make to economic efficiency.

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> higher after-tax yield on savings that would certainly result from the move. increase in savings via the substitution-effect response of individuals to the savings, seems to have concentrated on the impact of the redistributions of ining the question of Carter's effects on effect that nearly everybody, in consideration by the defense attorney to the and Witherell for what appears to me to come that the proposals would imply, and to have totally ignored the potential cross-examinations there is a brief perorgration proposals. In between these two be an unwarranted concern that corpoarguments favoring the differential tax Canada were to adopt the Carter interate retentions would fall markedly if treatment of capital gains, and Lynch parent approval of a series of traditional somewhat qualified but nonetheless approsecution witnesses-Slitor In Section III I cross-examine two osecution witnesses-Slitor for his

those of the Carter proposal to be so benign, as to warrant the conclusion that compared to those of the partial eliminthis one arising out of the subject-matter of the Mieszkowski and Tillinghast papartial integration can be more than adeto be so dramatically disruptive, capital-market effects of full elimination ation proposed by Carter. full elimination of the corporation tax as estimate of the capital-market effects of not for foreigners, I try to reach a rough proposal to in effect eliminate the corporation income tax for Canadians but loss and similar issues surrounding the the international legal, national revenuepers. Rather than deal as they do with Section IV contains another peroration, I find the

quately defended on this ground alone.
In Section V the last prosecution witness, Albert Breton, is cross-examined.
His weighty case in favor of measuring

tempt to show that the approach re-flected in the Carter Report appears to tax and expenditure analyses, and I atpostulates underlying most traditional an explicit statement of the schema of and concerning what he alleges to work. Having accepted this, I take issue be based on this schema. I juxtapose to Breton's welfare approach the non-neutrality of head taxes. Finally, lic goods should optimally be financed, to the way in which expenditures on pubwith Breton concerning his assertions as prevailed when the Commission did its would continue to resemble that which sumption that the expenditure patterns it is argued that the Carter Commission taxes alone, is accepted in principle, but the combined degree of progression of did essentially this on the implicit astaxes and expenditures, rather than of

No reference is made in this paper to the studies by Groves, Jantscher and Lent. My neglect in these cases is solely due to my own lack of expertise in the particular areas which each of them explores with such apparent command over his material.

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and demographic structure, and in the current legal systems and tax frameworks of the two countries, it is indeed surprising to find that a careful simulaincome (see Figure I and Table V) and equality in the after-tax distribution of equal to that currently obtained), would be to increase moderately the degree of as to produce a yield approximately tion of the effects that the Carter prospite the differences in size, in economic sive paper by Pechman and Okner. Deequity, than is provided by the impres-(with rates adjusted proportionately posals would have in the United States avowed goals of vertical and horizontal Carter proposals to greatly foster the It would be difficult to imagine a more Perhaps the best way to launch my defense of Carter is on a positive note. telling testimony to the power of

to phenomenally improve the degree of horizontal equity as among different sources of income (see Figure II and Table VI). And this results not from the assumption that the corporation income tax is shifted (in which case its elimination would not be expected to significantly reduce the degree of progression), but rather from the assumption that this tax is borne by income groups in proportion to their dividend receipts 1 (an assumption which, given the concentra-

selves by a footnote stating that their study is confined to first order effects, I cannot avoid concluding that an allocation based on "dividend plus interest income," or even better, on "dividend plus interest income plus a plausible fraction (attributed as carnings of noncorporate equity) of noncorporate business income," would interest-bearing obligations suffering also, [See my TAXATION: Corporation Income Taxes, International Encyclopedia of the Social Sciences (New York, 1968, Vol. 15, p. 541).]

Treating dividends as the appropriate base on which to allocate corporation income taxes to individuals implicitly embraces the idea that it is shareholders alone who bear the burden. damental economic processes underlying their basic assumption that "the corporation tax is not tax strikes owners of capital generally or some-how is confined just to the owners of equity shares in corporations. To the extent that the capital market functions well, it is to be preshifted forward Even though the authors in a sense cover thembe a far more satisfactory reflection of the funtion income tax without (after a plausible ad-justment period) the rates of return to capital in non-corporate enterprises and the yields on sumed that the net-of-tax yield on corporation equities cannot be driven down by the corporadesigned statistical simulation. At issue is whether the burden of the corporation income from inadequate data) in an otherwise elegantly come taxes represents the one flaw (other than those acknowledged by the authors as stemming ¹ This particular allocation of corporation to consumers or backwards

I doubt very much, however, that such a correction would have any significant effect on the general tonor of the results that Pechman and Okner report. If anything, their findings that the Carter proposals would increase the progressivity of the U.S. tax system would be strengthened, for interest income and the income from capital in non-corporate enterprises are not as strongly concentrated toward the top of the income distribution as are dividend receipts.

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tion of dividends in the upper brackets, implies that Carter's proposed effective repeal of the corporation income tax for Canadians would by itself have a very strongly regressive effect).

It is also, of course, an additional indictment of the many loopholes of the U.S. tax system that closing them along Carter's lines would produce enough revenue to permit a) the elimination of that \$30-billion-a-year anomaly called the corporation income tax, b) a substantial increase in the progressiveness of the tax system, and c) a marked reduction in the top-bracket personal-tax rate, all without loss of revenuel

While Pechman-Okner attract us to the Carter system by displaying a very appealing vision of how it would influence vertical and horizontal equity in the broad, Stone concentrates on a multitude of detailed ways in which horizontal equity could be improved and on a variety of problems of administration. As an economist who has studied the Carter proposals in some detail, I was pleased but not surprised that the equity goals embodied in them would also gain enthusiastic approval from a lawyer. But I was totally unprepared to find the proposals winning the battle of administrative simplicity and feasibility by a wide margin.

On Integration: "[Its] effects..., from a lawyer's viewpoint, would be an enormous simplification.... The elimination of a separate corporation tax would immediately wipe out much of the relevance of [some of] the most complex provisions of our [corporation] law" (p. 29). "In sum [on integration in general] any new problems would be swamped by those eliminated by the Commission's recommendations" (p. 29).

recommendations" (p. 29).

On Capital Gains: "To say that [the On Capital Gains: "To say that [the Carter-proposed] change would simplify the U.S. income-[tax] picture... would be a gross understatement... The theoretical distinction between capital and income... disintegrates on close inspection... The removal of the capital gains

distinction and the separate corporate tax together with the reduction of the high-est personal rate to 50 per cent, the same as the corporate withholding rate, would end most of today's intricate income tax planning involving corporations... [and] would go a long way toward ending the real estate tax shelter, which depends on [a preferential] ... capital gains tax" (p. 30).

On Gifts and Inheritances: "The Royal Commission's recommendation that gifts and inheritances be included in income could thus be accomplished by a simple repeal of Section 102 of the Internal Revenue Code..., indicating congressional intent to have [them] taxed.... While some relatively minor complexities would be added to the income tax system as a result..., the simplification that would result overall would be enormous."

Though the above citations accurately reflect, I believe, Stone's enthusiasm for the Report from an administrative and legal point of view, it would be unfair to leave unmentioned that he is anything but sanguine about the chances of drastic reform in the political arena.

able income (with a corresponding writeup of the shareholder's basis for the of undistributed profits in personal taxand c) as between debt and equity fiwould essentially eliminate existing disis largely centered on market efficiency calculation of capital gains) "would der Carter, Break notes that the inclusion ries of estimates attempting to quantify nancing. In addition, after a careful seand the non corporate sectors, b) as be-He emphasizes that the Carter proposals make a very significant contribution crimination a) as between the corporate the minimization of future lock-in the possible degree of lock-in effects un-The discussion of integration by Break (p. 48).

In one summary paragraph, Break states: "On the whole, then, with the full Carter integration plan in operation, the risks of unfavorable investor reactions

seem minimal, and the promise of improving the fluidity of securities markets seems considerable. In addition, there would be the greatly increased equity of the income tax system, as well as the efficiency gains to be realized by removing some of the major tax barriers to the optimal allocation of resources."

He alerts the reader to three possible unfavorable effects of the adoption of the Carter proposals in the United States, but he does not assert that they are likely. In fact the two studies already reviewed seem to alleviate two of his three worries. The Pechnan-Okner study suggests that there is no good empirical reason to expect that the application of Carter principles in the U.S. would result in an excessively large revenue loss. And the Stone paper seems authoritatively to lay to rest any fears that administrative

and compliance costs would be higher. Break's only remaining worry is that full integration would "reduce the effectiveness of such federal policy tools as tax credits, accelerated depreciation and similar devices." But he goes on to say that the importance of this last worry is moot, and to suggest some possible solutions should it turn out to be important.

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Richard Slitor's study of the capital gains provisions of the Carter Report reflects an eclectic's concern with regard to the Commission's zealous and single-minded application of the Haig-Simons principle that all accretions to wealth are income and should be taxed as such. He lists, with varying degrees of approval, nine traditional arguments supporting the preferential taxation of capital gains. Some of these (e.g. the "psychological argument," "the balance between corporate and personal capital accumulation," and the "divergence between capital gains and the national income concept") would appear to imply a significant degree of irrationality on the part of individuals in their economic actions. With

react similarly to a given change in the expectation and variance of future accretreatment), and that he would likewise motividual would react similarly to a pure windfall, regardless of whether it came under the label of capital gain or into the future, while on the other hand the earnings of many self-employed often portending a generally higher income stream for years to come. But on the other hand, as the market for IBM stock volved of ordinary income (assuming equal tax display movements that must be re-garded as of a transitory or windfall similar cases quite confidently projected tions, again regardless of whether ordiindividual would react similarly to nature. I would contend that a rational indicates, capital gains are in that and and the salary rise may be taken as treated as a once-and-for-all windfall, alter his view of his present worth. The nature of an individual's response to a respect to the first, which asserts that capital salary. Rather, I would distinguish bebe different from that to a rise particular type of capital gain should not from income, I would not argue that the dividuals as being in principle different capital gains are somehow treated income or capital gains were gain may (but need not) be ie-

out all the capital-market ramifications of this principle. Suffice it to say that at come computed without regard to capital past to undertake the investing public have tended in the appears that all important segments of this principle. Suffice it to say that at least in Canada and the United States it gains. This is not the place to try to ing less or more than their ordinary in have saved for them, simply by consumsave more or less than their companies ing tends to be reflected in capital gains, oretical ground in treating corporate individual shareholders can decide ferent things. So long as corporate savindividual saving as fundamentally Similarly, one is on rather shaky the significant

above and beyond what corporations have saved for them. More will be said on this issue below.

Thirdly, the divergence between capital gains and the national income concept should not itself be grounds for the preferential treatment of real as distinct from artificial gains. One doesn't have to cede the day to Henry George in order to subject accretions in real property values to income taxation! And, of course, to the extent that capital gains reflect corporate saving, they are already captured in the national income.

of the current Canadian system. Capital this view capital gains preferences prothe lock-in effect. One additional argument-the "safety valve" theory-may or include the issues of adequate provision stantially reduces the personal tax rate nadian investors are concerned and suba package which essentially eliminates within the present context but as part of gains taxation at full rates is justified not vestment. In a sense, this is Carter's view give a sometimes vital incentive to insive progression in the tax structure and vide an escape from the perils of excesmay not fall into this category. Under tor sufficient averaging possibilities when for capital loss offsets, of the necessity covered in the Carter package. These are, I believe, reasonably adequately the corporation income tax as far as Cathe tax structure is progressive, and of Three other arguments cited by Slitor

To go beyond this and argue for preferential taxation of capital gains even under Carter's integration scheme leads us to the two final arguments listed by Slitor. These are "capital gains as prepayment of ordinary tax" and "illusory capital gains." The first of these is nothing more nor less than the reflection, in the capital-gains area, of the general proposition that an income tax is a double tax on savings. There can be no doubt that a progressive expenditure tax of the Kaldor type, perhaps combined with a value-added tax of the consumption

avis the saving decision—theoretically more attractive than an income tax of the Haig-Simons-Carter type. Whether there is much practical difference between the two is mainly a matter of the (compensated) elasticity of savings with respect to the interest rate. If this clasticity is very low, the path of saving through time will be much the same for a Kaldor system and a Carter system of approximately equivalent overall progressivity and yield. If the clasticity is high, the Kaldor system will produce significantly more savings.

concern about taxing illusory gains on equity "even if it is not possible to go all the way and tax real gains of debtors and allow real losses of bondholders and t)-3] per cent, where t is the relevant 9 per cent. For bondholders and stockof expected inflation. If with zero exin the rate of discount of future income streams), I am afraid I must take a stand with Carter and against Slitor's solicitude stemming from inflation or from changes would tend to suffer most of all. 6-per cent bonds were now yielding 9 capital gains stemming from the fact that the real assets "financed" by "old" other hand equity holders would accrue same time as the capital value of the instrument fell from 100 to 67. On the fall from 6(1-t) to [6(1-t)-3], at the consol would have his annual real yield holders. The holder of a six per cent marginal tax rate. For the case of a holders alike the real yield will be [9(1inflation, they would tend to be around cent, then with a three per cent expected pected inflation the before-tax yields on all types of instruments would be 6 per other creditors," Consider first the case for the equity holder, reflected in his Under all circumstances holders of cash per cent, while the interest payments on holders are clearly worse off than stockpreviously unexpected inflation, the old debt remained at 6 per cent On "illusory" capital gains (i.e. those bond-

Thus, granting preferred treatment to

inflationary capital gains amounts to preferentially relieving precisely that group (i.e. equity holders) which suffers least from inflation and may (with adequate leverage in the form of old debt) even benefit absolutely.

Even more important, perhaps, than the above considerations is the fact that one of the best guarantees against inflation's becoming a permanent part of the system is the built-in stabilizing power that is provided by the taxation of nominal capital gains as income.

In his discussion of the economic erfects of the Carter proposals, Slitor presents an extended treatment of their possible impact upon savings. In it he cites the estimates of the Carter report itself, that as a result of the proposed reforms there would be a \$65 million increase in savings, consisting of a \$135 million decrease in personal savings and a \$200 million increase in government savings, with corporate savings remaining essentially unchanged. Slitor concludes his analysis with the statement that the "substantial cuts in personal saving are the result of the capital gains component of the reform package" (p. 74) and expresses his concern for this

word, the Carter report's estimates effects of the Carter proposals. In pensated clasticity of savings with respect to the rate of interest. How large pated overall increase in net-of-tax rates of return to saving. Whether much or effects that would flow from the anticiproposals would bring about; they in-clude no allowance for the substitution savings effects are based on the anticia much-neglected aspect of the savingsdiscussion on its merits, I would like to this elasticity is is certainly still an open pends upon one's judgment of the comlittle should be made of this point depated redistribution of income that the seize upon this opportunity to point out question. But the fact that total revenues Without attempting to treat Slitor's 유

> under Carter will be approximately the same as under the present system means that the compensated elasticity is to be preferred to the uncompensated one as the relevant measure—and the compensated elasticity is necessarily positive (or zero in the limit).

A second point is that the only study which explicitly sets out to measure the compensated elasticity finds, for two sets of data covering the periods 1897–1949 and 1929–59 in the United States, an elasticity of approximately 0.2.2 This is not a negligible figure; to indicate its possible meaning for Canadian saving under the Carter proposals, I will present some estimates based on the capital-market-equilibrium assumptions used in the concluding section of my "A Landmark in the Annals of Taxation." These

² See Colin Wright, "Some Evidence on the Interest Elasticity of Consumption," American Economic Review, LVII (September, 1967), pp. 850-855.

pp. 850-855.
³ Canadian Journal of Economics, Vol. I (Supplement), 1968, pp. 191-193.

(Supplement), 1968, pp. 191-193.

The same supplement contains the only discussions of the Carter report (of which I am aware) in which some allowance is made for ii) the exclusion of corporate savings attributable to Canadian investors from the base to which the clasticity is applied. Helliwell for the recommended changes. (See Grant I., Reuber and Ronald G. Bodkin "On Estimating the Effect of the Carter Commission's Recommendations on Domestic Savings," bid., pp. 206-232, and John Helliwell, "Simulating the Macroeconomic Effects of the Carter Proposals," Their estimates of the change in savings in-duced by Carter through the substitution effect are smaller than mine, largely because of two a procedure similar to that employed here. ibid., pp. 233-254.) Reuber and Bodkin follow a substitution effect of undetermined size is imemployed: i) the assumption that the interest consciously conservative assumptions which they with respect to several rate-of-return variables incorporates negative elasticities of consumption effect upon savings, but since his basic model not isolate a specific measure of the substitution rate elasticity of saving was .15 rather than the the substitution-effect response of savings plicit in the final results yielded by his or more suggested by Wright's results, and savings to Crant L.

new system will bring with it a rise in rate remains unchanged, and b) that the sumptions: a) that the market interest plications of the Carter proposals were mium (equal to that estimated to pro-duce, equilibrium in the market at the times a given multiplicative risk preequal to the net-of-tax yield on bonds where the net-of-tax yield on equities is worked out under two alternative aswas taken to be 6 per cent, and the immarket situation). The current bond rate yields differ by an additive risk premium alternatively, that these two net-of-tax time [1967] the study was made), or claims) ing retained earnings. Equilibrium beout ratio is 40 per cent, and that the sonal tax rate under the present system, assumptions are that the "typical share-holder" has a 50 per cent marginal perthe latter to include all fixed-interest tween equity and bond markets (taking above and beyond capital gains reflecttypical company's shares exhibit normal rate under Carter, that the dividend paybut would have a 40 per cent marginal the equilibrium market interest rate to (also derived on the basis of the 1967 goodwill gains" of 0.5 per cent per year, per cent. The following table presents fter-tax yields to the "typical shareis assumed to be established

AFTER-TAX YIELDS ON STOCKS AND BONDS TO THE "TYPICAL SHAREHOLDER" UNDER ALTERNATIVE ASSUMPTIONS

	Market	Market Interest Rate	Rate
Type of	Current	Under Carter	Carter
of Risk Premium	.06	.06	.07
Bonds	.03	.036 .042	.042
shares (with multiplicative isk premium)	.06	.072	.084
hares (with idditive isk premium)	.06	.066 .072	.072

⁴The concept of a "typical shareholder" is defined in *ibid.*, p. 192, footnote 2.

holder" under alternative assumptions regarding market interest rates and the nature of the risk premium.

and 7 per cent. done by Canadian companies on their market interest rate rises to 7 per cent. changed, and by 40 per cent if \$120 million and \$240 million for postrate elasticity of 0.2 would be between stitution effect implied by an interestbehalf is around \$3 billion a year, the increment to savings through the sub-Carter market interest rates between if the market interest rate remains unbonds and shares goes up by 20 per cent assumed, the after-tax yield on both dian individuals themselves plus that Assuming that the saving done by Cana-When a multiplicative risk premium Hie

When an additive risk premium is assumed, the after-tax yield on bonds again goes up by 20 to 40 per cent, but that on stocks rises from 10 to 20 per cent depending on where market interest rates settle in the range from 6 to 7 per cent. A plausible guess would be that, with an additive risk premium and an interest-rate elasticity of 0.2, the incremental savings induced through the substitution effect under Carter would lie between, say, \$90 million and \$180 million.

I must emphasize that the above estimates are too crude to be more than illustrative of what a compensated interest-rate elasticity of 0.2 might imply. My main purpose here has been to alert readers to the facts a) that most existing estimates of the effects of the Carter proposals on savings have neglected the substitution effect, and b) that this effect is potentially of sufficient importance that some allowance probably ought to be made for it when overall judgments are made concerning this aspect of Carter.

In contrast to Slitor, who is concerned among other things with the impact of the Carter proposals on the overall magnitude of national savings, Lynch and

Witherell are concerned with how much saving will be done at the corporate level. Their problem is thus a comparatively minor one so long as the overall level of savings is not adversely affected, although it must be noted that their concluding paragraph appears to reflect doubt as to whether corporations would be able to make up by new issues, in a Carter world, for the loss of retained earnings that they fear the Carter proposals would imply.

I have already indicated that the principles of rational behavior suggest that the ultimate decisions concerning the rate of national private-sector savings are made by individuals, who can achieve their personal savings objectives by adding to or subtracting from what corporations save on their behalf. This, together with making some allowance for the substitution effect of the Carter proposals on saving, as suggested above, leaves small room for fears of a serious dop in the rate of private saving out of disposable income.

values for the payout ratios that would, I therefore turn to the issue which occupies the bulk of the Lynch-Witherell cash as now, out of each dollar of cora maximum marginal rate of 50 per matched or exceeded under Carter (with or less, the current cash flow could be under Carter, give individual sharestarting point for the treatment of this per by Break provides a convenient Carter proposals were adopted. The pacent) by dividend payout ratios ranging with current payout ratios of 60 per cent holders the same cash flow as they now issue. In his Table VII, Break presents be a large drop in cash retentions if the paper, of whether there would in fact reduction in tion of this desire would entail a sharp porate pre-tax profits, the implementators desired simply to have as much from zero to 30 per cent. Thus if investion profits. He shows that for companies have out of a dollar of pre-tax corporapayout ratios. The reduc-

tions Break implies would be even sharper had he taken into account that marginal personal tax rates would be lower under Carter than they are today.

dends, reflecting the 50 per cent maron dividends under the present system is reflected in capital gains, and for a curassumption that corporate savings are now has a 50 per cent marginal personal the case of a "typical shareholder" who of available income that they would like in this regard would concern the fraction distributed in dividends, their decisions vestors care about the percentage that is retentions. gina that the individual income tax payable carried out in the following table. Note calculations under these assumptions are rent payout ratio of 30 per cent. The have a 40 per cent marginal rate, on the tax rate and who would, under Carter, flow out of a dollar of pre-tax earnings to receive in cash, rather than the cash under the Carter System) plus corporate the present system, and dividends plus dividend credit. Available income is simthe tax rebate on corporate withholding minus the personal tax on them under ply cash flow (defined as shall here explore this hypothesis .5-.2) times the amount of the divi-But it certainly is arguable that if in-I tax rate and the 20 per cent dividends for

.23 under the assumptions used, could be duplicated under Carter with a 7.6 per cent payout ratio. Corporate saving is to responding payout rate under Carter is under the present system it is 35. If the flow to available income, which equals table is that the current ratio of cash ter. Finally, in any case where the cur-rent payout ratio is 22 per cent or less, rent 40 per cent payout rate, same comparison is made using a curunder Carter would be 46.2, whereas tained earnings under the present system the ratio of cash flow to available income The conclusion emerging from the per cent. On this basis 30 of rebe compared with 40.2 under Carthe cor-

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now, even if no dividends are paid. be higher under Carter than it is

ILLUSTRATIVE CALCULATION OF PAYOUT RATIO UNDER CARTER WHICH IS REQUIRED IN ORDER TO MAINTAIN CONSTANT THE FRACTION OF AVAILABLE INCOME RECEIVED BY THE JNVESTOR IN CASH

Implied Corporate Payout Ratio (3.8/50)	Available Income	Available Income (100 – 40)	Personal Tax Rebate 100[.54] Cash Flow	held	Carter System Corporate Income Refore Tax	Ratio of Cash Flow to Available Income [10.5/45.5]	Cash Flow [15 - 4.5] Available Income [50 - 4.5]	bividends Individual Income Tax [15(.52)]	Available for Distribution	Tax	Current System
7.6%	.23	8	13.6	, కాద్ది	1 00	. <u>2</u> 2	45.55 55.55	1 4 T	188	35	

system clearly discriminates in favor of carnings retention. What I do contend is that there is an ample range over which the cash flow-available income ratio can available income could be maintained under the Carter system with a much a much more rational object of investor creasing corporate retentions, and that the cash flow-available income ratio is than at present, because the current tax ratio of cash flow to available income be increased while simultaneously inwould prefer, under Carter, a higher to deny that in all likelihood current and the Carter systems, than is preferences, as one tries to compare the lower dividend payout ratio. This is not the dividend payout ratio. Thus the current ratio of cash flow to people

linghast are concerned with the inter-national aspects of the Carter integration proposal. Both concede that the proposal The papers by Mieszkowski and Til-

> a-vis foreign investors, while in effect eliminating it vis-a-vis domestic investo retain the corporation income tax vis-Canada's "right" to take such a step more ready than Tillinghast to concede trality. But in the end Mieszkowski is accepted principles of international neutors, entails a substantial deviation from Tillinghast says:

proposal (p. 86). and economic policies dictate the adoption of integration, the question which Canada end are strong enough to force the aban-donment or dilution of the integration neighbor; and it is difficult to see, as a tance to cede needed revenues to a richer One can sympathize with Canada's relucagainst national-investor preference in the whether pressures or principles militating and its free-world partners must decide is ican-controlled giants. If internal political to extend integration benefits to the Amerpractical matter, how Canada could afford

Mieszkowski, on the other hand, says:

tax

for all investors or is eliminated only for Canadian residents. If countries which exvestors would end up paying the same tax regardless of whether the tax is eliminated porting countries. The argument that this policy "discriminates" against foreign inthis particular Carter recommendation (p. 108). should press their case independently the distribution of tax revenues they port capital to Canada are unhappy about vestors is not convincing. Most foreign in-This is a distributive matter that affects the treasuries of Canada and capital ex-

would like to assess the wisdom of the of the proposed treatment. Rather, on the question of neutrality as such or effects on the Canadian capital market. Carter proposal in terms of its likely on the legitimacy, in some sense or other, I do not propose to enter the debate

same tax" regardless of whether the benefits of integration are extended to them or not. This need not even be true foreign investors will end up paying the partly right when he says that "most The issue is that Mieszkowski is only

from true for portfolio investments. for direct investments, and is clearly far

burden on the subsidiaries would be sigcrual of earnings, the effective tied to the repatriation rather than accountry tax on subsidiaries' income were would be essentially the same as at tax. If that tax applied to the Canadian nificantly less than at present, even if treasury. If, on the other hand, the hometo their own rather than to Canada's present; their tax would simply be paid rate, the situation of the companies was the same as the current Canadian if the rate of tax in the home country subsidiaries income as it accrued, and ada repeals its corporation income tax toreign investors is to assume that Cantheir home countries' corporation income foreign companies would be subject to Under such a change, subsidiaries of tension of the integration proposals The simplest way to envisage the ex-

consistently repatriating, say, half of the they accrued. Although the Revenue Act were drawn into the U.S. tax base as could, for example, be liable for only earnings of its Canadian subsidiary considerable overall loss of revenue merely a transfer of revenues; in fact, a eign subsidiaries is taxed on a repatriathe great bulk of the income from forprovisions under which the repatriation of 1962 somewhat modified the earlier apply if the toreign subsidiary's earnings half the United States tax that would the current Canadian level. A company than at home, for given gross-of-tax rates would be involved, and U.S. firms would tegration to foreign corporations than more is involved in extending full intion rather than an accrual basis. Hence plied to all, it remains true today that principle was essentially uniformly apthe home-country tax rate were set at invest in Canadian subsidiaries rather have a greater incentive than now

integration were achieved simply individuals is even more striking. If full The case of portfolio investment by

6 ment of capital gains. In this the U.S. abolishing the Canadian corporation nadian holder. more favorable treatment than the more favorable U.S. personal tax treatonly by his not having to "pay" the Canadian corporate tax, but also by the on goodwill gains. On this variant, holder of Canadian shares would have full income tax on corporate savings and on goodwill gains. On this variant, the come tax, it would be difficult for Canadian tax authorities to capture the investor would be benefitted

the marginal personal tax rate of the "typical U.S. shareholder of Canadian securities." For simplicity assume that market. To see this, let pe and pu be the investment in Canada, which would on his Canadian shareholdings would be postponement of the tax on capital gains, the dividend payout ratio, δ_i is the same in both countries, and that corporate savings are fully reflected in capital and the U.S., respectively, and let to be equilibrium levels of the before-tax rates grossly disrupt the Canadian capital surely be a flood of new U.S. portfolio $\rho_c = \rho_u(1-t_c)$. If ρ_u were 12 per cent, ρ_c equilibrium would be $r_c = \rho_c[\delta(1-t_p) + (1-\delta)(1-.25\lambda)]$. If U.S. and the .25 factor builds in a 25 per cent Here λ is a discount factor reflecting the $r_n = \rho_n(1-t_c)[\delta(1-t_p) + (1-\delta) (1-.25\lambda)]$ on investment in U.S. shares would be of return to corporate equity in Canada would be around 6 per cent. For $t_c = t_p =$ classes of investments, it is clear that net expected rates of return on the two investors operated so as to equalize the trast, the U.S. investor's after-tax return nominal rate on capital gains. By congains. Then the after-tax rate of return the U.S. corporation tax rate and to .5 and $\delta = \lambda = .4$, $r_c = r_u$ works out to Under these circumstances there would reached where

of tax. If ρ_0 is 6 per cent, then a marginal receive a net-of-tax rate of return of r' vestor in Canadian securities? He would $\sim \rho_c(1-t_p)$ where t_p is his marginal rate But what of the typical Canadian

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Canada, and Canadians, in all likelihood would be left holding the bonds! point where, even more than now, they come tax would result in a great disinright abolition of their corporation incans would bid up share prices to the influx of American equity capital into portfolio investments in Canada. Ameriand would probably produce a massive centive to shareholding by Canadians, of something like 6 per cent (see table pares with a current (based on 1967 data) after-tax rate of return on shares would dominate the equity scene in giving Canadians a greater incentive to on after-tax yields, above). Far from hold equities than at present, the outterest rate rose to 7 per cent. This comper cent and to .042 if the market inmarket interest rate in Canada held at 6 tax rate of .4 would imply $r'_{o} = .036$. This on bonds equal to .036 if the compare with after-tax rates of to contemplate.

substantial change in the market condigoverned by risk premia reflected in tionship between the two continues to be would rise, and, assuming that the relamarket). On the other hand, the net-ofwhere they are today (i.e. close to what those investors can obtain in the U.S. investors, on both Canadian stocks and investors from abroad would face any porate investors nor individual portfolio ably not change by much more than 10 results of my earlier examination of the implications of Carter for the capital the actual Carter proposals would barely cause a ripple in the capital market. The Ry contrast with this stark picture, stemming from "full integration for all," Canadian stocks and Canadian bonds Canadian bonds, would remain close to tions tacing them. The yields to U.S. point, relative to the U.S. level, and that probably rise by less than one percentage market were that interest rates would tax yields to Canadian investors in both the same as now, and neither direct corper cent. The marginal yield on equity the average of share prices would probinvestments would remain, then, inuch

consequences of which I find frightening kets. In this sense it is, in terms of its effects, far more "neutral" than the alwould itself be affected little if at all. ternative of outright abolition of the national massive shocks and disruptions in both shareholders is wisely designed to avoid of integration essentially to Canadian In sum, I feel that Carter's restriction and international capital mar-

(the differences between the taxes that would be paid under the Carter pro-posals and the benefits received under context of an expenditure distribution similar to that currently prevailing in Canada, and that within that context the come groups that many people would judge the total degree of progression involved in this expenditure distribution ment activities on the welfare of the various income groups would be regreswealthy that the net impact of govern-As far as the basic point with regard to equity is concerned, he is clearly on the side of the angels, at least in theory. count the expenditure side of the ble by most Canadians. tribution of the various income groups degree of progressivity of the net con-Carter Commission was operating in the cessive. But I would judge that the was so heavily weighted in favor of the ernment expenditure in Canada which One can imagine an allocation of govgovernment ledger in reaching its judgsion for having failed to take into acwould be regarded as reasonably equitathe present expenditure distribution) plus the Carter tax proposals to be exso heavily concentrated in the lower insive. One can also imagine an allocation ments about both equity and efficiency paper. Breton faults the Royal Commis-I turn now to Breton's very thoughtful

deny Breton's assertion that the benefit While, as already indicated, I cannot

> value placed on [any public good] by each [individual]" (p. 160). From this he concludes that "except by accident, rates should be equal to the marginal this context would require that tax general judgments of equity, I part com-pany with him when he enters into to demonstrate that "tax neutrality non-private) goods. His second step expenditures are for public (and also analysis of neutrality is that many public further detail. The starting point of his alongside the tax distribution in our distribution should in principle enter

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come tax (p. 161). trality would require . . . a regressive ina poll tax cannot be a neutral tax goods is . . . less than one, benefit neucome elasticity of demand for public budget would be approximately neutral" such a way that in fact the over-al proximate a system of benefit taxes in the one recommended by Carter to aplic goods is greater than one is it possible (p. 161). "In the same fashion, if the infor a basically neutral tax system like taxation the benchmark has to be a benefit tax, not a poll tax . . . [Only] if the income clasticity of demand for pub-

omy is such that $P_1 + P_2 + S = R$, a constaint. The constrained social utility erence function is such that these utilthe two individuals, that the social prefutility functions can be established for single private good. Assume, too, that ing Breton's notation, let S be the public good and P_1 and P_2 be the amounts consumed by individuals 1 and 2 of the late his demonstration (Appendix, pp. subtle flaw in Breton's otherwise impec-cable logic. To show this let me recapitufunction to be maximized is therefore that the resource constraint of the econities are comparable and additive, and uals in the economy place upon it. Followmarginal utilities that the various individlic good should be proportional to the 162-63) that the taxes that finance a pubthe Lagrangean expression: There is one subtle and one not-so-

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(1) $U_1(P_1,S) + U_2(P_2,S)$ $-\lambda (P_1+P_2+S-R).$

are: 2 The first-order conditions of a maximum $U = \lambda = 0$

 $U_{s^2} - \lambda = 0$ $U_{ss} + U_{ss} - \lambda = 0$

at a social optimum, be equal to the price of the private good. Condition dividuals attach to the public good will the marginal utilities which the two in- λ can here be identified as the "price" of be interpreted as saying that the sum of the private good, and equation (2c) can 2c) can also be written

(3) $U_{10} + U_{10} - aU_{17_1} - (1-a)U_{27_2} = 0$,

where a is an arbitrary positive fraction reflecting the fraction of the cost of the marginal unit of S which is borne by tions of a Pareto-optimum: move, (3) decomposes into the condidividual be worse off on this marginal individual 1. If we require that no in-

<u>4</u> a. $Uu = aUu_1 = a\lambda$ b. $Uu = (1-\lambda)U_{1}e_2 = (1-a)\lambda$

ginal utilities they place upon it. This is public good in proportion to the mar-That is, individuals 1 and 2 will have to Breton's result. share the cost of the marginal unit of the

regressivity of the benefit structure. The structure must reflect the progressivity or marginal units of S among individuals marginal unit of S among individuals. The second is that even the condition income among individuals) is consistent with any allocation of the cost of the Two main points emerge from this analysis. The first is that the condition most that one can say is that 1) when progressivity or regressivity of the tax Breton therefore cannot infer that the for a Pareto optimum says nothing about the distribution of the costs of the infrarespect to small marginal transfers of society as a whole is indifferent with ever the society is indifferent to small (3) for a social optimum (in which

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that they attach to such marginal addishould be paid for by assessing the beneamounts of public goods being provided tribution, marginal additions to the and benefits associated with that disdistribution of net welfare, and insists marginal cost, and 2) whenever society thinks that it already has the optimum which the sum of the individual marficiaries in accordance with the utilities less of the infra-marginal pattern of taxes on maintaining it constant, then regardunit of that good just barely covers its ginal utilities associated with the last transfers, the optimum level of expendi-

choices at the margin. To be sure, differallocationally non-neutral. cause they change the distribution of income and wealth, not because they are different Pareto-optima, but that is beent patterns of head taxes will lead to by definition cannot by itself distort on an item whose supply is zero-clastic a head tax is neutral. Any tax which falls is his cavalier dismissal of the idea that The major flave in Breton's reasoning

more in accord with the philosophy unand that is at the same time considerably as distinct from user charges. In assessfrom beneficiaries, let us resort to taxes we cannot or do not choose to collect the great bulk of government outlays means assess user charges. Where, as for should indeed be called upon to bear his share of the freight, let us by all where it is judged appropriate on dis-tributional grounds that the beneficiary responding price at reasonable cost, and administratively possible to collect a cortype of government outlay brings to the value of the benefits that a particular and user charges. Where we can identify schema is the distinction between taxes derlying Carter. At the root of this more realistic and useful than Breton's let me suggest a schema that I feel is ing the allocative effects of a tax or set particular individuals, and where it is To conclude on a more positive note

of spending the proceeds. of taxes, let us compare it with a hypowithout opening the Pandora's box of an unknown outside power. These two the proceeds are exacted as tribute by categories. When analyzing the incidence come bracket and by other relevant tax) with a similar distribution by inthetical neutral alternative (e.g. a head of any given tax, associated with n ways having n different analyses of the effects on pattern of taxes, let us assume that both allocative and distributive effects key assumptions enable us to handle (i.e. the distributive effects) of any tax

vided by some beneficent outside power. expenditure, and when treating the dissimilar to the benefits generated by the let us assume that the funds are protributive effects of any such expenditure. neutral taxes, distributed in a fashion us assume that the financing comes from by taxes (i.e. not by user charges), let Similarly, when analyzing the alloca-tive effects of any expenditure financed

estimate the distributional impact of the neutral alternative of similar incidence, particular tax as against an allocatively and distributional effects of a) the parmake parallel studies of the allocative user charges, it is obviously possible to cific purposes without being genuine ticular taxes might be allocated to spe-Following these principles, we can decide on individual non-user-charge exbining b) and d) we could do the same a) and c) we would then be able tax of similar distribution. Combining d) the particular expenditure as having c) the particular expenditure as having those relatively few cases where parernment ledger at the same time. In ing to cope with both sides of the govtaxes in terms of the net welfare costs tied tax-expenditure package, and combeen financed by an allocatively neutral been financed by an outside source, and ticular tax as a foreign tribute, b) the that they entail without constantly havbenefits they produce, and on individual penditures in terms of the net welfare

range.

as far as allocative effects are concerned depending on the purpose at hand. In Within this schema distributional et-

would be virtually impossible. It also of real-world public policy decisions tion, without which the rational analysis Kaldor principle of potential compensaessentially the underpinning of the Hickscease to be broadly acceptable. This once a distribution of burdens and benea corollary to what has just been said, and these should have their place on the social agenda. In the third place, and as the distribution as long as it does not trality with respect to modest shifts in obtained, there should be essential neusome specific generally-recognized defits in the broadly-acceptable range ficiencies which remain to be corrected, broadly acceptable, there may still be of whether the prevailing distribution is that can be hoped for is a general sense sensus regarding what was most desirable. Under these circumstances the best can never be more than very crudely determined, and even if they were known, one could never gct full conof the "true" distribution of burdens and separate taxes and expenditures taken broadly acceptable or not. Even if it is follow a counsel of perfection; the facts one by one. Here, however, we cannot benefits of various alternative systems taxes and expenditures, and not on the Breton insists, on the overall pattern of equity must fundamentally be based, as second place, one's judgments of vertical insufficiently progressive system. In the considered to be distributionally fair, it turns it into an unfairly regressive or top of a tax-expenditure system that is children and because, when added on standards of horizontal and vertical that it discriminates against families with adjudged deficient both on the ground equity. Thus a high milk tax might be whether they seriously disturb accepted lar taxes or expenditures with regard to into the distributional effects of particuthe first place one might want to inquire Z.

> reflected in equations (4) and in Brecompensation must be paid) which consequence of a social decision (i.e. one is permitted to be worse off as a financing of the marginal unit is indeunderlies the distinction between the ton's analysis. terminate) and the case of where no good as reflected in equation (3) above case of the social optimum for a public where the optimal distribution of the

changes within the "broadly acceptable the distributional consequences of their mission felt, then they base their recomlic expenditures and other taxes are and are likely to be distributed in Canada" proposals will result in distributiona mendation on the judgment that at worst representation of what the Carter Comsociety and given the way in which pub preferable, many more will find it not (my quotation marks). If this is a fair its contribution to the overall welfare of it inferior to the present one, in terms of perceptibly different, and few will find tribution of the income-tax burden ing: "Many will find the proposed disseparate components of the proposed reform. Here, I read the Report as sayincome tax structure and not with the with vertical equity is with the entire on the other hand, Carter's main concern eliminated, according to the schema pre-sented above, and Carter is consistent inequities in the current system could even remotely be justified as appropriate user charges. If not, they should be zontal equity pervades the entire report and I find it inconceivable that what nings for the analysis given in the Carter Commission Report. The concept of horibelieve that it provides the underpinand public expenditure. In particular, I Carter considers to be serious horizontal lished literature in the fields of taxation which, often unstated, have provided the presented (which certainly has no claim theoretical basis for much of the estabto novelty) outlines the assumptions I believe that the general schema just