THE BRITISH SYSTEM OF YOUTH TRAINING:

A COMPARISON WITH GERMANY

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Any system of youth vocational training must confront and solve three problems: First, who is to pay for training? Second, how is the content of training to be determined? And third, how is the skill level of a trained individual to be appraised and certificated? We argue that the British system, despite recent reforms, is still far from solving these problems, especially in comparison with the German one. The UK system gives incentives to employers to reduce the general educational content of vocational training. NCVQ is encouraging this trend and is recommending inherently unreliable methods of assessment. Hence the market value of YT certificates is unlikely to be high.

Keywords

Vocational training, incentives, education

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. Introduction

partners in the provision of training to young people who are unable or unwilling to continue in full time academic education after they have reached the minimum legal age for leaving school. In comparisons of high level manpower (degree level or above), Britain compares favourably. But the proportion of the UK labour force who have attained lower or intermediate level vocational qualifications is far lower in Britain than in France and lower still than in Germany (Prais 1981; Steedman 1990; Steedman et al. 1991).

Moreover, case studies of a number of industries in manufacturing and elsewhere, using matched samples of plants, have shown that low skill levels in the UK are a significant cause of lower labour productivity (Daly et al. 1985; Prais et al. 1989; Steedman and Wagner 1987 and 1989).

Any system of youth vocational training must confront and solve three problems: First, who is to pay for training? Second, how is the content of training to be determined? And third, how is the skill level of a trained individual to be appraised and certificated? The solution to the financing problem is in principle straightforward. Since it is the trainee who by and large benefits, in the shape of higher wages, the trainee should pay for the cost of his own training (Becker 1964, chapter II). But in practice there are difficulties since trainees are young (not legally adults), and may well not be credit worthy. In the first instance therefore, firms may have to bear the burden, hoping to recoup the costs later. But this gives rise to obvious problems. If trainee wages are too high, firms will lack incentive to offer training. If wages are kept low throughout the training period, the "poaching"

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problem arises, whereby a firm which offers training does not get to reap the reward of its investment when a non-training firm lures away its trainees; the incentive for firms to train is again reduced.

and workplace-based training. But since 16-year-olds technology in his current career choice. In other with possible future changes in his occupation and indeed future changes in encourage flexibility traince should obviously be a different occupation. If on the other hand the government determines the determine training content, they numeracy). Firms are obviously in the best position to say what is relevant content of designed to advance the trainee's ability to move into a different industry or training given should 5 opportunities With the content of training, there are two issues. narrowly vocational let alone its future include an element of general education is working. Experience shows that this Britain) cannot possibly know for sure what their aptitudes, abilities is not the training curriculum, it may be able to ensure that general the neglected; but it may find it difficult to ensure that the are, and lay a sound foundation enabling the trainee to up-to-date and relevant to the industry in which current technology of their industry. But the training offered should also element is have little incentive to truly relevant to is usually best achieved (16 being the school leaving words, vocational training (primarily, literacy The training offered industry's current be designed offer training 5 deal

gain a certificate which is widely recognised, which is regarded body (though not necessarily a governmental one), is required to lay down and An atomistic system in which each trainces that at be economically relevant. It is clearly in regards assessment and certification, ٩ would obviously r T skill the end of their training period level to which it attests, and that not meet the above requirements: some external firm offered training and bestowed it is obviously in society's interest they should the attested as a ş 8 interests 8

monitor standards.

trainees will again be discouraged. required by the market, then the value of the certificate will be reduced and problem. value of wages are set too high, firms will find ways to skimp on training, exacerbates the certification is The three problems are interdependent, so for wages which firms find excessive, thus worsening = a training certificate the content of training courses unsatisfactory, trainees will be reluctant to come forward, difficulties caused by the other two. WII 6 S reduced. not relevant to that failure For example, = the ៩ the financing Ö the if traince solve that the

argue) comes the closest of the three to a socially optimal solution. problem of finance, content and certification. Britain still has much system is still far from achieving a satisfactory solution to decade, as we describe below. Nevertheless, it is our from the French system, and still more from the German one, which (we shall British system of youth training has seen great changes in claim that the Ş three-fold ថ the last

on the rather different French system. Next we set out a simple model of youth insights, we then try to evaluate the outcomes in Britain and Germany wage rates the training systems of Britain and Germany, making in passing some remarks argument is laid out as follows. First, we describe the main features designed implicit to illuminate the ij an economically viable relationship between trainee and system. Armed with adult

Britain and Germany compared

2.1 The British system

apprenticeship system. Even in its heyday, only a minority of young people well-accepted Apprenticeships Youth training in those one. bestowed a not ī 5 many 늉 ſu] narrow craft industries ş time education) has traditionally moreover type of the apprenticeship served been qualification, though a provided apprenticeships. ьу system

at a time when the number of 16- and 17- year-olds was increasing sharply, unemployment, which (on the OECD definition) was to reach 12.4% by 1983, and and fell by a further third between 1984 and 1989.2 Faced with rapidly rising number serving apprenticeships in manufacturing halved between 1979 and successful completion. The 1980s proved a watershed. Under the impact of consisted of mere time serving, with no testing of competence required by the government, though they are not prevented from paying more and qualifications. Firms must also pay trainees the "trainee allowance" early. Under the Youth Training Scheme (YTS). A placement with a firm under YTS was initially that mass youth unemployment was in prospect, the government introduced the carrot. The stick is that the government has now abolished the entitlement practice many do. The trainee allowance is about the same amount as a single experience and pays firms a modest subsidy. Firms are in turn required to provide work trainee places under YT for all 16-18 year olds who want them --adult could claim on social security. The government has pledged to provide year. Now renamed simply Youth Training (YT), placements are (since two years, and YT programme, the government covers the cost of college fees ç the intake though there is no penalty for the trainee who leaves ensure that trainees into apprenticeship declined "work towards" dramatically: this is the laid vocational

young people to social security benefits, so that YT is also a large-scale experiment in "workfare".

answer the telephone. in favour of a collection of narrowly defined "skills", such as ability to is squeezing out the general educational element from the vocational syllabus, practice elsewhere in Europe (Prais 1989 and 1991). It appears too failure to require the passing of a written test are strongly at variance with without necessarily any written test. The lack of external assessment require Moreover, determining whether a trainee has achieved NVQ Level 2 does not that the trainee attend college part time (though that would be usual). yet received a precise official definition ---qualification classed as NVQ Level 2. The Qualification (NVQ) Levels. Payment of the trainee allowance to firms is regulated by the National Council for Vocational Qualifications (NCVQ), conditional 1986. This body has classified qualifications into four National Vocational an 9 assessment externally set workplace on the trainee being deemed and Ş the and graded exam, but merely an assessment in certification trainee's own college lecturer or term "working towards" has ٩, it does not require for ť vocational be "working towards" a qualifications is that NCVQ and example set up the the

Market Quarterly Report, February 1992). Since YT placements are employed, unemployed young people in the 16-18 age group were on YT; this compares with 36% years, these figures suggest that a large proportion of trainees 17-year-olds. However, 1990, who were still in full 23% of 16-year-olds in Great Britain were on or inactive. only 27 of 18-year olds were (Source: Employment Department, time education, the remaining 9 1 YT, and Overall, now for 2 497 217. do not 157. of the o, ಲ್ಪ

Source: Employment Department, Training Statistics 1990, Table Al.10.

⁹ college-based pay the subsidy paid to firms, we were informed, was £8 per trainee per week in 1991. to the newly created Training and Education Councils (TECs). These in turn The administration of YT has been devolved by the Employment Department trainces money in taking trainees training on a and the first instance to place them with firms, Vary part time both within and between TECs. (day release) "managing agents" whose role while also arranging suitable basis. Levels of 5 payment

Steedman (1992) found that the NCVQ-approved syllabus for trainees in the construction industry required no mathematics unlike the corresponding syllabuses in France and Germany.

complete the course. In fact, data from the Youth Cohort Study (reported in the same source) indicates that of those 19-year-olds in employment in 1985 who had previously done YT, only 40% had done the full 2 years.

2.2 The French and German systems

year-olds is regulated considerable time lags, course content is divorced from current labour-market occupational spread and further education colleges and by Ministry of Education determination of the control of very different labour-market institutions and differing arrangements immediate labour-market requirements but with consistently satisfactory levels characterised by high level of supply and uneven quality (poorly adapted and a sound foundation of basic education. French training provision with good technical and vocational grounding in a specific occupational needs. The benefits to employers are largely in the form of young employees securing general vocational education) supply in this way are well documented (Jarvis and Prais 1989). responds education. process and Germany have adopted different strategies which ៩ ್ಷ ьy In France, the supply of training places for level of courses available. The disadvantages of achieving a considerably higher labour-market requirements sluggishly funds made available by government to full-time supply of and arise g

Germany relies on employers voluntarily coming forward to provide training places. This source of supply has important advantages not easily attainable when places are state-funded in full-time colleges as in France

of manpower requirements with the result that the occupational areas in which Employers offering training places do so in the light of their own projections is a high-quality, education authorities to a syllabus drawn up by those authorities. element of (for both employers and trainees) of any apprenticeship contract that an marginalised. This is not the case, however, since it is an obligatory part expected that, in such an arrangement, general vocational education would be vocational skills corresponds to current workplace standards. It might be provision training is provided more closely match labour market opportunities. vocational education areas of training in general high-supply equilibrium vocational education be provided and financed by regional the workplace ensures that specific training in ij both vocational training and The result

be spent in full time study. During the remainder of the time, the trainee training period. Some apprenticeships require the whole of the also on what has been learnt in the firm. õ the firm's premises. It is important to realise that successful completion of will be working for the firm, but very often in a special training workshop on full time study at a vocational college in each year of apprenticeship, which is widely seen by young people as the essential Under a typical German apprenticeship, one day a week will decent job, requires the passing of externally set and assessed exams exam syllabus is based not only on what has been learnt at college but the first be devoted three-year route

governments (Lander). Because of this, the important distinction in detailed consultative process involving firms involved, workplace skills. Given the age of the trainees, the small size of many of regard any significant part of it as firm-specific for education with a vocational orientation and the acquisition syllabus for vocational training is not between Becker's general and the training syllabus, it is simply not realistic and specific training, but between business, drawn unions f most trainees, though as and a result of a the German the

^{5 307,} of those 19-year olds in employment in 1989 had gone straight from school into a job and 287 had entered after full time higher (post 16) education.

See Soskice (1991) for a detailed discussion of the German system.

an apprenticeship? The view of õ mathematical skills if at a later stage they proceeded, as while employed as craftsmen. They would, however, need mathematical knowledge acquired in college courses directly in the work place (Berufschule), all with previous occupational and/or professional experience directly in his current employment likely to (Melster) do, important ç vocational or technician (Techniker).7 In જ લ the apprentices would need to take part of use to the trainee as a means of pursuing career goals than courses and examinations leading to positions as supervisor s It is industry-specific. The interesting question the supposedly teachers in general other words, the use only a small part German vocational educational these skills are some were expected the whole range of part o, İs, 9 more how

In general, the training programme which the German employer agrees to put the trainee through if he takes him on as an apprentice, not only includes off-the-job education and training but goes far beyond the training directly required for the job in hand. We can, for example, contrast the six weeks training commonly given to sewing machinists in Britain which is considered sufficient to teach them the basic operations required with the two year training given to machinists in Germany (Steedman and Wagner 1989).

At a first glance, the German apprenticeship scheme, with its compulsion on the employer to send the trainee to college for at least one day a week or equivalent, while paying a trainee wage, would appear to involve subsidisation by the employer of general training. How can we explain the willingness of the German employer to enter into a training agreement where the on-the-job training he must supply (in accordance with federally agreed training programmes) goes far beyond the specific skills required for the job in hand? To start with, we can note that the German state government (Land), not the

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level. skill required helps to training whereas office clerk (Burokauffrau) is a three year training. training period varies with the nature of helping to explain trainees' acceptance of a low trainee wage is that the variation in the training period required needed to acquire a minimum level of job-specific skills will vary contribution in adult rate: typically, trainees earn employer, bears occupation to occupation. ğ been little change since corresponding adult worker (Jones 1985; his data refer reasonably certain (because of remain with the firm Second, to acquire the <u>م</u> the craft Fe length of the training period as a function of all the trainee wage is substantially below the for example, office assistant (Burogehilfin) is a two latter stages the costs of off-the-job tuition in the vocational keep As a general rule in Germany, the shorter the certificate specific job-specific skills, the shorter the trainee dropout rate at a relatively then). for ٩ the full (Berufsabschluss)) only about a third of the Se. Third. the importance attached by the job. Clearly, the length of time training training period. A the trainee makes a contract that to 1979, and the trainee will the degree corresponding fourth factor the he but productive This year low 9

In summary, the fact that the German system has survived the economic strains of recent years, that it continues to meet with a high level of acceptance from German firms, small and medium as well as large, and that it succeeds in providing apprenticeships for the vast majority of the target

⁷ This view emerged in recent discussions held with a number of teachers working in Berufschule.

been attributed to the tighter labour market for young people in these years, Wissenschaft 1990, p.43) which has enabled them 5 one apprenticeship to another. þ 1988, from 13.7% in the proportion of apprenticeships which were 1983. Most of ៩ g more choosy (Bundesminister für Bildung und The rise in the these "dropouts" non-completion rate has are in not completed was fact switching

population (less than 5% of German young people between the ages of 15 and 18 are not in either training or full time education⁹), strongly suggest that it is privately profitable. In the next section, we draw out the implications of what we take to be this fact.

3.1 A simple economic model of youth training

In this section we develop a simple model of youth training, designed to illustrate the problems with which all real world training systems which rely on the private sector, as does Germany's, have to contend. For the reasons given earlier, we assume that all training is general.

It is assumed that the firm is required to sign a binding contract with the trainee for a period of n months, where for example n=36 in the typical German case. During month t the employee has a marginal product y_t , if he devoted the whole of his working time to production. However, he devotes a proportion h_t of his time to off-the-job training, so his actual marginal product is $(1-h_t)y_t$. In the earlier part of the training period this marginal product will normally be less than his wage cost to the firm, w_t . Obviously therefore, firms will never offer training unless they expect that at some point the marginal product will exceed the wage cost.

Since the contract is binding for n periods, the employer must look at the profitability of the contract as a whole, not month by month. But he need not look beyond the end of the contract, since at the end of the contract the employee is free to leave and the employer is also free to let his former trainee go and hire someone else. Roughly speaking, the firm must ask, does the present value of the benefits over the life of the contract exceed the present value of the costs?

Although the contract is binding, it is nevertheless possible that its

Let p_t be the probability as of the beginning of the contract that the worker is still with the firm in period t. Then the training contract is profitable for the firm (assuming risk neutrality) if

(1)
$$\sum_{\ell=1}^{t=n} \frac{p_{\ell}\{(1-h_{\ell})y_{\ell}-w\}}{(1+r)^{t}} \geq 0,$$

where r is the firm's required rate of return on capital

the marginal product in every period, i.e. if $(1-h_t)y_t = w_t$, all t. This is of families from which trainees come may be little better placed to acquire legally adults and usually have no assets except their earning power. The have assets which could be distrained on in case of default. Trainees are not unsecured loans (a few hundred pounds) and this when most of their customers forthcoming. For example, banks in the UK are are at the time of accordance with marginal productivity, they might be unacceptably low during most plausible explanation for this is that if wages were strictly in following day, but he is paid substantially less than an adult worker. The his apprenticeship the worker is presumably almost as productive as on the that this is not the practice followed in the real world: on the last day of course the point made by Becker (1964, chapter II). It is easy to see however contract would always be profitable to the firm if the wage were equal to earlier stages of the 1992) charging a real rate of interest of have to rely on borrowing or conclusions arise from considering this formula. Note first apprenticeship. To family support which might not be keep from starving the worker about 25% for

terms are not fulfilled. For example, looking at it still from the firm's point of view, the worker may quit or do something which necessitates his dismissal (e.g. assaulting a manager). Hence the firm must allow for the possibility that it incurs expenditure on labour costs in the earlier months, the worker then leaves and the firm never gets the benefit of higher output.

Grund- und Struktur Daten: 1990/91, pp.24-5, (Bundesminister für Bildung und Wissenschaft, Bonn, 1990).

outside finance. In addition, if commercial loans existed there would be a moral hazard problem: firms would have no incentive to screen out unsuitable applicants for training. It is not therefore hard to see why special arrangements for financing the training of young people are necessary. In the absence of commercial loans, the firm in effect lends the trainee money by paying him more than his marginal product at the start of the contract, a debt which the trainee "repays" by accepting a wage lower than his marginal product as his skill level rises.

A second point to note is that the higher the probability of the employee dropping out (the lower p_t), then the lower must trainee wages be (in relation to productivity) in order to make the contract profitable for the employer. In earlier times the problem of default on the part of the trainee was taken so seriously that runaway apprentices were treated as criminals. In modern Germany, the contract is somewhat one-sided in that it is binding on the employer, but there are no significant legal consequences for the trainee if he or she quits prematurely (though there may be serious consequences for the trainee's future job prospects).

One should also note that the fact that these are not lifetime contracts makes a great deal of difference to trainee wages. If lifetime contracts existed we should see a much smaller gap between the wages of trainees and of fully-trained workers, since the cost of training, which is borne ultimately by workers, could then be spread over a whole working life instead of being incurred entirely in the relatively short training period. With lifetime contracts, the same formula applies but with n interpreted as the length of working life, not of the training period. Certain "elite" apprenticeships may give entry to an internal labour market and may therefore be analysable as an implicit lifetime contract, but such apprenticeships are a minority, even amongst those offered by large firms.

3.2 Implications for the trainee-adult wage differential

The profitability condition (1) can be used to generate some implications for the differential between trainee and adult wages. Alternatively, given the differential, we can deduce implications for the sustainable level of human investment. This condition was derived for an individual firm, but competition will ensure that in the long run it holds for all firms in an industry as an equality.

(2)
$$\sum_{\ell=1}^{\ell=n} \frac{P_{\ell}\{(1-h_{\ell})y_{\ell}-w\}}{(1+r)^{\ell}} = 0.$$

Specifically, we assume that the trainer wage and the proportion of time devoted to training stay constant throughout the training period, $(w_t = w \text{ and } h_t = h$, all t), and that the probability of a trainer dropping out is constant and equal to 1-p, so that $p_t = p^t$. We also need to say how the trainer's marginal product grows over time. We assume that this depends on two factors, off-the-job training and on-the-job training. The rate at which productivity rises is assumed to depend in a linear fashion on the proportion of the trainer's time devoted to these two activities:

(3)
$$(y_i - y_{i-1})/y_{i-1} = \rho h + \sigma(1 - h)$$
. $0 \le h \le 1; \rho, \sigma > 0$

Note that this formulation (which as far as off-the-job training is concerned is the same as that of Lucas, 1988) has the strong implication that the growth rate of marginal productivity is independent of its initial level. However, Rosen (1976) has shown that the optimal h depends on an "ease of learning"

A third force, ignored here, which leads to greater productivity, even if a person is inactive, is the process of physical and mental maturation.

parameter, which in turn could be made to depend on the initial level of education of trainees. He has also shown that in the early period of working life the optimal growth rate of human capital is approximately constant. So equation (3) may be quite reasonable as a model of human investment for youth trainees.

The parameter ρ can be interpreted as the gross rate of return to investment in off-the-job training. To see this, note that investment in human capital in month t-1 is hy_{t-1} , which yields a return of $(y_t - y_{t-1})$ thereafter. The rate of return, measured on a monthly basis (ignoring the distant possibilities of death or retirement), and gross of depreciation on human capital, is $\Delta y_t/hy_{t-1}$, which by (3) equals ρ . The parameter σ can be interpreted as the gross rate of return to on-the-job training.

Now assume that adult workers are paid their marginal product y_n , which by (3) equals $y_0|1+\rho h+\sigma(1-h)|^{\Omega}$. Under these assumptions we can substitute from (3) into (2) and solve for the ratio of trainee to adult wages, w/y_n :

(4)
$$w/y_{n} = \frac{(1-h)\sum_{t=1}^{t=n} p^{t}(1+\rho h + \sigma(1-h))^{t-n}/(1+r)^{t}}{\sum_{t=1}^{t=n} p^{t}/(1+r)^{t}}$$

Table I shows some sample results of calculating the trainee/adult wage ratio for a range of values of the rate of return (ρ) and the proportion of time devoted to training (h). In these calculations, the training period is assumed to be 36 months (n=36) and the dropout rate to be zero (p=1); these values are quite realistic for the German case. In the top panel, the

possibility of on-the-job learning (learning by doing) is ignored, i.e. or is ratio is relatively insensitive to the assumed rate of return. The principle not be unrealistic. In any case, it turns out that the trainec/adult wage training compared with those of a starting, untrained 15-year-old) and so may productivity in the chosen occupation (for example, the difference in may seem excessive. But the rate of return measures the increase in of return we have no direct information and the assumed rates of 20% or 30% set equal to zero. Results are shown for a range of values of ho. About rates other way round, if trainee wages are about one third of adult rates (as is influence on the ratio is the proportion of time devoted to training. Put the electrical skills between those of an 18-year-old electrician after 3 years (Jones 1985), so that if training were to break even, the amount of time apprenticeship system, trainee wages were about two thirds of adult rates than production. By contrast, even under the traditional British majority of his time, perhaps as much as 60%, in off-the-job training rather the case in Germany), it implies that the average trainee is spending the only some 30% of work time would have been devoted to training. devoted to training must have been substantially less; Table I suggests that

and the rate of return set to 20% per annum, the trainee wage ratio falls to 42.0%, compared with 43.1% with p=1. If the assumption of risk neutrality were dropped, no doubt the effect of dropout would be much more significant, since the majority of firms, in the UK as in Germany, only have a handful of trainees at any one time. The dropout rate plays the same role in equation (4) as the discount factor 1/(1+r). Consequently, the results in Table 1 are also insensitive to changes in the discount rate.

The dropout rate from the British YT programme (from information provided by the Employment Department) averages about 37 per month. Setting p=0.97 in (4) has surprisingly little effect on the results: for example, with h=0.5

Even this figure may be too high since the it does not take into account the fact that traditionally the British (unlike the German) employer paid the apprentice's college fees.

CENT

TABLE I TRAINEE	WAGES AS A PR	OPORTION OF	TRAINEE WAGES AS A PROPORTION OF ADULT RATES, PER
Proportion of time	Rate of return to off-the-job training (ρ),	to off-the-jo	b training (ρ),
devoted to off-the-job	per cent per annum	mum	
training (h), percent	10.0	20.0	30.0
	(a) No on-	(a) No on-the-job training: σ = 0	ng: σ = 0
0	100.0	100.0	100.0
10	88.6	87.3	86.0
20	77.6	75.3	73.1
. 30	66.9	63.9	61.2
40	56.5	53.2	50.2
50	46.4	43.1	40.1
60	36.5	33.5	30.8
70	27.0	24.4	22.2
	(b) On-the-	(b) On-the-job training: $\sigma = \rho$	9 10 70
0	86.2	74.9	65.6
10	77.5	67.4	59.1
20 :	68.9	59.9	52.5

at which trainee productivity rises is now roughly doubled, but the effect on have the same rate of return as off-the-job learning ($\sigma=\rho$). Clearly, the rate adult rates. In the lower panel of Table 1 on-the-job learning is assumed to trainces are still spending more than half their time in off-the-job training. return to both types of training, a wage ratio of one third implies that the trainee/adult wage ratio is comparatively slight: with a 20% rate of learning? The latter provides another reason for traince wages to be below How much would these conclusions be altered by allowing for on-the-job

Conclusions

of youth training. It has now been accepted that vocational training after higher education, and not just for a small elite of craftamen. It has also leaving school is desirable for all young people not continuing into full time been accepted that a national system of vocational qualifications is myriad certificates awarded by a variety of private and public educational necessary, which will bring some comparability and quality control to the institutions. In these two important respects the UK system has moved towards the German one. the last decade, there have been great changes in the British system

German model and indeed general European practice. In the past, overall standards attained in these countries in a variety of occupations by trainees to be roughly in line with those aimed for in Britain (Prais 1981; Steedman gaining recognised craft qualifications have been judged by previous studies 1990; Steedman et al. 1991)13. The more serious divergence in respect of France But in other respects the UK has recently started to move away from the

Source

Calculated from equation (4), with n=36, r=0.1, and p=1.

6 8 6 30

70

25.8 34.5 43.1 51.7 60.3

22.5 30.0 37.4 44.9 52.4

19.7

26.2

32.8

39.4

45.9

recognised craft qualifications, provided a substantial economic return to its holder, according to the estimates of Blanchflower and Lynch (1991), based on data from the National Child Development Survey. In other words, these The state of traditional British apprenticeship, when coupled with one of the

and Germany has been the larger numbers trained to recognised craft standards and the more rapid rate of growth in numbers in these countries over the past two decades. But the standards set by NCVQ for the various "Levels" into which it divides up vocational qualifications are low by Continental standards and the methods of assessment which NCVQ is prepared to accept are inherently unreliable and vulnerable to abuse (Prais 1991).

in a very different direction. is, therefore, a subject of concern to find that Britain appears to be moving in future working life for more flexible and autonomous working practices. It recognised bodies of skill and knowledge, on the need for progression within for firm foundations for professional identity based upon the acquisition of training relative to their coevals still in full-time education, on the need a degree of equity and social justice in the treatment of young people in period in all European countries. Acceptance has been based upon the need and industry-specific training has been accepted practice in the post-war --- and beyond --- the profession, trade or industry and, finally, on the need incorporate general transferable skills in addition to occupational-specific dependent on government finance. That youth training provision industry; the phenomenon observed affects all those areas of Youth Training II). This study was based on analysis of training for the construction the rest of Europe in the new Youth Training qualification targets (NVQ Level pointed to the low level of general vocational education content relative to technical content of vocational training. A recent study (Steedman 1992) has Furthermore, NCVQ has recently begun to downgrade the general

In Britain it is employers who now have the dominant influence on the vocational curriculum for Youth Training, since theirs is the principle voice heard in NCVQ and in the TECs. As far as the other actors are concerned, the government has more or less excluded the trade unions from playing a role,

qualifications were recognised and valued in the market place.

because of their perceived record of obstructionism, and has adopted a hands-off approach itself to the vocational curriculum — in strong contrast to the detailed control it has assumed over the academic curriculum. Aside to the detailed control it has assumed over the academic curriculum. Aside from the interest that local groups of firms or industries may have in reducing the general educational content of the curriculum in favour of narrowly specific skills, the present arrangements give incentives to individual firms to lower standards. If By contrast, we may note that there is every financial incentive, under the German system, for individual employers to support trainees' work on college courses since failure on these courses means that a trainee would have to leave an apprenticeship prematurely, with consequent loss to the employer of his investment in the trainee.

Are youth wages in the UK now sufficiently low relative to adult rates to make possible a high level of training? It is true that the trainee allowance is low (equivalent to the social security level), but the actual amounts paid by firms are often higher. Unfortunately, there are no official figures on the actual wages received by those on YT, but about a third of trainees are believed to have "employed status", and so these at least, must be paid substantially more than the trainee allowance. It must be remembered that firms wishing to take on YT trainees have to compete in an active market for youth labour (unlike in France, for example). According to the 1991 New

In an effort to encourage the acquisition of NVQs by trainees, a bonus equal to about half the total government finance available for a trainee is to be paid to the employer when the trainee obtains NVQ Level II. However, the employer is also responsible for providing training to NVQ Level II - either through college courses or through training in the workplace. The NVQ assessors, who may be college lecturers or workplace employees but in either case indirectly or directly dependent financially on employers, may therefore find themselves in a difficult position if they find it necessary to fall trainees and thereby deprive employers of substantial payments.

Earnings Survey, hourly earnings of those aged under I8 as a proportion of the corresponding hourly earnings for those aged 18-20 were 68% for males and 74% for females. The temptation for a young person to drop out of a trainceship in favour of a "real job" is therefore strong.

reduces its value to employees), and thirdly because, due to the lack of to the trainees, far fewer of whom fall to complete their traineeship than in industry-specific (although this may increase its value to employers, it comparison with the German one, the UK system can be characterised as a trainees pay for their own training, via loans from the firms which they work Britain. Because of this virtuous circle, the financing problem can be solved: partly also because of the general educational element, training is attractive is adjudged by firms to be relevant to their needs. Partly for this reason but are high and methods of assessment are reliable. The content of the training certification which we outlined earlier. The standards of vocational training answers to the threefold problem of finance, content, and assessment and the skill level it purports to certify is low, secondly because it is narrowly the British trainee is working is of little economic value, firstly because low-level equilibrium (Finegold and Soskice 1988). The certificate to which for, though government also contributes by paying for vocational schools. By conclusion, the German system, we would claim, has found effective

external control of the assessment system, it is an unreliable indicator of an individual's actual skills. In consequence, trainees are unwilling to accept much of a reduction in wages in order to acquire such a certificate. Given trainee resistance to lower wages, employers have no incentive to improve the quantity or quality of the training which they offer.

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New Earnings Survey 1991, Table 125 (Department of Employment, 1991, London: HMSO). The figures in this source for the under-18s exclude most of those on YT. On the other hand, the figures for those aged 18-20 include those who are entering employment for the first time from further education, who presumably are able to obtain a higher wage on average than those 18-20-year-olds who entered full time employment at age 16. Hence, for those who have the lowest educational qualifications, the differential between youth and adult rates is likely to be even smaller than the figures in the text would suggest.

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