

...ness necessary for the principal voca-
tions were likely to consider
...tion. The training for the
... took; what remuneration was
... and what were the opportunities
... advancement; what were the different
... and the best of these; what
... was its effect upon health; who and
... where were the chief employers; whether
... field was a promising one; and
... how a boy should set about getting such
... employment. If such information adapted
... to the needs of the State, were available
... it would be better to have it
... and might save some at any rate of the
... tedious efforts that now resulted through
... boys being sent to the wrong
... notions of what the possibilities were
... with ambitions to reach a goal in
... educational equipment.

Closer Co-operation.

The waste that went on through young
... people floundering in work for which they
... were ill adapted was very great, and efforts
... were being made to secure a closer
... one help towards that it was very desirable
... to bring about a closer co-operation be-
... tween the educational and industrial
... institutions of all kinds and educa-
... tional institutions. It was pointed out
... that with this end in view they had
... recently started an employment bureau
... for the purpose of securing the best
... extremely useful, and in some places the
... same idea had been applied to colleges
... and it would certainly seem
... that a school should be organized
... of an employee seeking young
... workers much more intelligently than
... demands of the State machine be all in
... the right place, but it was of equal im-
... portance that the State should be all cut
... trimmed to the right of the needs of the
... vocation and citizenship of concern to
... when they entered upon a vocation had to
... be properly trained. It was absolutely
... true that the State is the State that
... they should be trained in the very best
... possible way, and this was an educational
... matter. (Applause.)

Education of Apprentices.

The growth of the plans in South Aus-
... tralia for the centralization of the educa-
... tion of apprentices had necessitated the
... building of new schools for the purpose,
... and the scheme. The School of Mechanical
... Industries and the University provided
... the training of a more advanced
... character. At the same time the
... developments of recent years were a hopeful
... augury for the future. In most trades
... there were more workers making all
... were unappreciated than there were serv-
... ing under articles. The apprentices came
... under the compulsory Training
... of Apprentices Act and were sent
... upon an evening a week for three years to
... attendance at special trade classes at a
... technical school. The boys were not
... to allow him one afternoon a week off for
... the same purpose. But that Act, the
... boys were not proved its salting
... cases, applied only to apprentices, and
... other workers of the same age received
... no training whatever, unless they
... did so of their own accord. It was
... so seen that in most trades it was
... really, at present, only a minority of those
... learning a trade who were getting the
... object intended a trade should become
... competent tradesmen. In addition to
... their shop training, should have a
... technical training in accordance
... with the requirements of the trade,
... should apply to all those learning the
... trade, and not to a select minority only.

The School-going Age.

If a boy left school at 14, with a primary
... school education only, and then became
... an apprentice in an industrial concern,
... very little change of ever rising beyond
... the position of foreman; but if he could
... receive a higher education for two or
... more years and lay a foundation of mathe-
... matics and science there was no limit to
... the work which might be done in
... engineering world if he were in the
... and industry. Such was the difference
... that two years extra schooling made. It
... was pointed out that the Government
... proposal to raise the compulsory school
... going age, and a very strong argument
... in favour of the raising of the
... and junior technical schools. The more
... effectively they gave every man a chance
... to reach the best, the more incumbent on
... him was to recognize the value of the
... came to him from the community. There
... could be no community without obligation
... on the part of the citizen to do his
... duty. The community had a duty to its
... citizens, and the citizens a duty to its
... citizens. (Applause.)

Preparation for Positions.

Mr. A. F. Clarkson said he thought of
... vocation, and the training for the
... of the man for his job, and of citizen-
... ship as a full membership of the com-
... munity. The first thing that struck one
... was the greater mechanism and larger outlay of or-
... ganization. The development so far had
... been in the most of the primary and
... industry, but it was fast extending
... to primary industry, and there were those
... who prophesied that the coming
... years would see a change in rural life
... more profound.

...tion of needs and to supply the mu-
... cas against the mechanical side. The
... greatly overstressed. Not enough was al-
... tion in lightening labor. To the
... the machine was now taking the load
... And when they were told of the dead-
... ing and soul-destroying nature of the
... they would do well to reflect on the
... of much of the work which had to
... done by the machine. How did the ma-
... chine took the job over.

Many Allied Occupations.

There were blind alleys that could not be
... called vocational at all; they were the
... and offered no opportunity for advance-
... or promotion. Into these jobs a variety
... of boys were sent, and many of them
... girls on leaving school were specially pro-
... vided for, teaching them to make their
... wages which were offered relatively high
... factors which militated strongly against
... various skills, and to appreciate in the
... of high wages that were readily available
... for them as unskilled laborers. In many
... instances found it difficult to ap-
... preciate their pay for a trifling effort
... and offered them no opportunity for
... and frequently they were, through in-
... into factories, compelled to put their
... boys into positions where they might get
... greatest financial return for the immediate
... period. The business houses of Adelaide
... were interested in the boys, and they
... who were living monuments of the conse-
... of specialisation in vocational guidance.
... than a decision to work was a study rather
... start early with the boy. Boys between
... the age of 10 and 12 had rather wild ideas
... of the work they would do in life, but
... it was when they reached the age of 14
... that, with the co-operation of parents, op-
... portunities should be presented to them
... to be interested in the work, and profes-
... sional vocations, so that they might go
... to a certain extent choose for themselves a
... vocation according to their own ideas,
... find a happy life work. Teachers should
... be encouraged to organize group visits to
... the various factories, and business activi-
... ties of the community. By means of
... of employers, he could assume them that
... visits would be welcomed, and the most
... interesting and instructive feature in
... the business life to-day was
... the growing respect for the mechanic
... and the craftsman. Boys should not
... care to be seen in his half-stained overalls,
... but to-day it was an honorable mark
... dignity and pride. The boys should not
... not now the only emblem of respectability.
... (Applause.) Looking broadly upon the
... great number of boys who were sent to
... demand two kinds of job—the job which
... was skilled and the semi-skilled, and
... the job which was little skilled and not ap-
... preciated. The boys should be made
... very much about the skilled job. They
... must be told the shortcomings of the
... unskilled job, and the value of the
... and the inadequacy of the prevailing system
... of apprenticeship. But whether the short-
... comings and inadequacies rested with the
... State or the employer, it was the
... problem of developing definite skill in
... every direction in which it was needed was
... business, it was to attract to those who
... were doing it.

Willing Service Needed.

Greater skill, greater technical efficiency
... was tremendously wanted in Australia, as
... it was also wanted in every other country
... in the world. The boys who were sent
... to Australia had not an enhancement
... of skill but an increase in the amount of
... filling service. In relation to the great
... number of boys who were sent to
... training for vocation was that which would
... make the individual realize that as a com-
... munity member he was not only a citizen
... and that the best effort of which one was
... capable was not only the sure way to a definite
... individual reward, but was to ultimate
... benefit to the community. It was
... came down to a question of moral values,
... to a question of simple sense of duty,
... which was the real question. The age-
... farmer had become so accustomed to en-
... phasizing "rights" that they sometimes for-
... got that there must also be obligations
... on the part of the citizen. It was
... broadly, because there were still employ-
... very high standards of duty. He that
... were the most of the material things
... to be stopped was a matter which educa-
... tionists of all people should seriously con-
... sider. It was an economic question, it was
... an economic question only in its material
... incidence. The greatest training for citi-
... zenship was not how to use the tools,
... and best of employers had already caught
... this idea, and were putting it into practice
... the training of their own boys, and the
... and the enhancement of their own value as
... citizens. With an audience comprised
... mostly of those engaged in the great
... of production, it was not surprising to
... conclude with a few observations gathered
... from a very busy life. Let them realize
... that the training for citizenship and service
... was not only a question of moral values,
... but it was a question of moral values. The
... day had happily passed when the story of
... the successful millionaire was paraded
... before the children of the community. It
... to be the making and amassing of
... great wealth was not the end and the

... how to use it as endowings. Account-
... was a great watchdog, and see
... should be the dominant note. (Ap-
... plause.)

NOV. 9, 1926

EDUCATIONAL IDEALS.

The objectives of the Education So-
... ciety, of which the thing most
... new in session, are something
... more than occasions for the in-
... terchange of views between those
... concerned in the business of teaching.
... No small part of their value consists in
... the contribution they make to the well-
... thought on matters vital to the welfare
... of the community. As Professor
... McKellar Stewart reminded his hearers,

"the greater part of the money paid
... in direct taxation in the various States
... goes to the support of educational so-
... ciation." The people of every State
... are spending millions of sums in the effort
... to secure education in their schools, pub-
... lic and private; and too many are apt
... to imagine that their work is done when
... they have defrayed the cost in taxes
... or school bills. But educational systems
... require the sympathetic co-operation, not
... only of teachers, pupils, and parents, but
... of the public, and the society now in
... conference exists for the purpose of kind-
... ling popular interest in education and
... educational methods. Such interest can
... only be created by the inoculation of
... the public mind with sound and clear
... views as to the ends which the schools
... are intended to serve, and the means
... whereby they may best be compassed.

It is objected to some of the ad-
... dresses at the conference that the enun-
... ciation of abstract principles was
... given an inordinate place in them, the
... answer is that current thought on the
... subject is so confused, so less informed
... by ideals than it ought to be. In educa-
... tion of all public activities, high
... ideals should inspire practice, if
... practice is not to become trivial, monotonous,
... and from the standpoint of the
... community—which is more important
... than that of the individual—worthless.
... To cultivate and train the powers of
... mind and heart and of body to their
... best and most perfect development, to
... give to the individual the opportunity
... of good lives as individuals, but to play
... their part in the life of the community
... in the best possible way for the common
... good—in that, as was Lord Mayor
... insisted, is the central ideal of any educa-
... tional system worth the name. Only
... when the pupils are so equipped that
... they be expected to make that contribu-
... tion to the "essential welfare" of the com-
... munity which is the aim of Professor Stewart
... said, the State is entitled to demand
... reasons for its huge expenditure on the
... schools. This proposition being accepted,
... it is not hard to discover what
... should be the aims of a national system
... of education. To begin with, the sys-
... tem should provide that every citizen
... should be educated, receiving as much
... training as he needs for his life's work.
... This brings us to a large subject which,
... after all, is fundamental. Every man
... ought to have a life's work, for unless
... he has how can he serve the State and
... qualify as a good citizen? The educated
... man is the man whose training enables
... him to fill his place, that is, to do his
... work well and use his leisure rightly. A
... man need not be a walking encyclopædia
... to be educated. Etymologically
... "education" means the drawing out
... or development of all the faculties, intel-
... tual, moral, and physical. The
... question is as to method. "There is too
... much book instruction," is the complaint
... of a writer in the "English Review,"
... "and too little manual training, which
... often does more to develop the brains."

He gives an instance in which astonish-
... ing results were obtained by a head-
... master who formed a special class from a
... number of apparently dull girls, and
... gave instruction in simple housework
... The brains of the girls quickly developed
... under the new system.

When education has done its
... work, the result, in the economic
... sphere, is efficiency. This

... which was meant by Mr. McCoy when
... he spoke of education leading to "effi-
... ciency" was the march of education
... duty." But education must train the
... pupil to live, as well as earn a living,
... and here we come to the moral part
... of education—that which has to do with
... character and with the question what Mr. Wal-
... lace Bruce eloquently called "the
... sense of social responsibility." This part
... of the training is desired, for the
... hours of leisure, as the utilitarian
... part or the duties of citizenship is part
... of the irrefragable minimum, and the
... system can dispense with it and is most
... easily enforced by the example of parents
... and teachers, though such example may
... usefully be supplemented by illustrations
... of conduct drawn from books. It is
... well put by Mr. McCoy in the state-
... ment that "most of the benefits of educa-
... tion are moral benefits." Mr. Bruce
... was not at all wrong in urging the neces-
... sity of cultivating the first of these
... qualities. The art of composition has for
... many years had a place in our public
... schools, but whether wrong methods are
... used or not, the time devoted to it
... is insufficient. The first of our boys
... and girls go out into the world acquired
... with even the barest elements of the
... art of expression. Mr. Bruce does not
... all estimate the importance of the
... matter when he draws our attention to
... of so many of its members to express
... their thoughts lucidly and effectively by
... words or pen. Yet a tolerable mastery
... of all elements of communication might
... almost be called the first of the qualities
... of good citizenship, since without it most
... other qualifications are of little avail.

NEWS. 8-726

WOOD ALCOHOL

Experiments Abandoned

Wood alcohol, while admirably adapted
... for many purposes, can hardly be
... regarded as a beverage, as recent ex-
... periments from the United States of
... America dealing with deaths due to its
... consumption have conclusively shown.
... The Department of Agriculture is
... mixing with ordinary alcohol and making
... methylated spirits, and also for fuel
... purposes.

Some time ago the South Australian
... Department of Chemistry conducted
... experiments in connection with the
... manufacture of alcohol from Aus-
... tralian woods, but those have
... now been abandoned, according to
... Dr. W. A. Hargreaves, Director of
... Chemistry, owing to cheap foreign
... being manufactured in foreign markets
... no inducement being offered for
... local manufacture.

Dr. Hargreaves stated that some years
... ago wood alcohol was manufac-
... tured by a South Australian firm, but
... the plant was not very profitable,
... it was not rebuilt. German and French
... wood alcohol was being placed on the
... market at a price rendering competition
... difficult.

Until recently America manufactured
... and utilized large quantities of wood
... alcohol for sale, but was now importing
... large supplies from Germany, where a
... product known as methanol was manufac-
... tured from coke in great quantities and
... sold at a low price.

Wood alcohol was at one time used in
... the making of formic acid, but chemist
... substitutes had been discovered. The
... Department of Chemistry investigated
... the wood alcohol situation exhaus-
... tively, but owing to the cheap foreign
... "fortunes," being very low, the outlook
... for establishing a local industry was not
... encouraging.

Experiments in connection with the
... manufacture of wood alcohol, for use
... instead of petrol were also made, but
... no steps had been taken in connec-
... tion with its production owing to the
... high cost of manufacture.

NEWS. 8-7126

Farewell to Doctor

Dr. L. O. Betts, O.B.E., and Mrs. Betts,
... of Semaphore, who will leave for London
... on July 17, were tendered a farewell
... by the Royal Adelaide Hospital, last
... night. Dr. Betts instructed his
... graduate course in London. The party
... (unit) was taken to wish him the best of
... "fortunes," being very low, the outlook
... for establishing a local industry was not
... encouraging.