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Patrick Bühler

The “Sanitary Inspection of all School Recruits” in Switzerland Military, School Reforms and Health at the Turn of the 19th Century¹

Die “sanitarische Eintritts-Musterung aller Schulrekruten”
in der Schweiz
Militär, Schulreform und Gesundheit um 1900

(Ed.) This paper discusses the nationwide physical and mental examination of school children that was conducted in Switzerland around 1900. In a first part the article considers the international context of large-scale examinations of school children that focused on physical and mental health. In a second part the paper shows that there are two reasons why the metaphor “school recruits” made sense. In Switzerland the annual census of the physical and mental health of school children was carried out over a period of nearly 20 years. On account of its systematic and federal character and its annual repetition, the comparison to the medical examination for military service was in a certain sense merited. But there was a second underlying sense of the analogy. It was that the examination should be carried out correctly: As the military had its own surgeons, so should the schools have school physicians. But why should children be examined in the first place? In a third part, the article analyzes how the annual censuses served to advocate the introduction of special classes.

(Red.) Der Beitrag beschäftigt sich mit den flächendeckenden Untersuchungen zur physischen und mentalen Gesundheit von Schülerinnen und Schülern in der Schweiz um 1900. Im ersten Teil wird der internationale Kontext von large-scale Untersuchungen aufgearbeitet. Der zweite Teil beschäftigt sich mit den “Schulrekruten” und diskutiert die Gründe, weshalb diese Metapher für die Probanden zutreffend war. Aufgrund des systematischen und nationalen Charakters sowie deren jährlichen Wiederholungen lag der Vergleich zu den medizinischen Untersuchungen für die Militärdiensttauglichkeit durchaus auf der Hand. Aber auch eine zweite, eher unterschwellige Analogie zum Militär war vorhanden: die Untersuchung sollte nicht nur angemessen durchgeführt werden, sondern die Schulen sollten, wie das Militär über eigene Chirurgen, über eigene

¹ This article is part of a broader research project on the transfer of knowledge between the Swiss military and the Swiss schools conducted together with Lukas Boser and Michèle Hofmann.

Mediziner verfügen können. Der dritte Teil fragt nach den Gründen für die Untersuchung, wobei deutlich wird, dass die Erhebungen dazu dienten, die Einführung von Spezialklassen zu befürworten.

Keywords: Special education, military, school reform, health, turn of the 19th century, Switzerland
Schlagworte: Sonderpädagogik, Militär, Schulreform, Gesundheit, 1900, Schweiz

At the sixth annual meeting of the Swiss Society for School Hygiene in 1905, the ophthalmologist Friedrich Stocker called for “the sanitary inspection of all school recruits”. This “inspection” was not to be limited to the “sensory organs” but include “the whole body” and the “results of the inspection” were to be recorded in “a health certificate” (Stocker 1905, 123). In 1909, at the ninth annual meeting of the Society, Heinrich Hiestand, head of the Department of Child Welfare in Zurich, emphasized that it is common knowledge that “the school recruits differ in their physical and mental development”: “The examination of the school children, which must be carried out by a physician, allows the teacher to treat the children according to their physical and mental powers” (Hiestand 1908, 650). In 1925, the “systematic table of contents” in the *Journal for Swiss statistics and economics* contained a heading entitled *Medical examinations of school children and recruits* under which examination results from 1864 to 1925 were presented (Mangold 1925, 21). When dealing with the health of school children, this type of military rhetoric was relatively common in Switzerland at the turn of the 19th century (see e.g. Anonymous 1917/1918, 239; Hanselmann 1927, 12; Hiestand 1908, 650).² But was this comparison simply a manner of speaking?

In a first part the article considers the international context of large-scale examinations of school children. Physical and mental health became an important issue at the end of the 19th century, in many countries special education developed. In a second part the paper shows that there were two reasons – one concrete and one underlying – why the metaphor “school recruits” made sense. In Switzerland an annual census of the physical and mental health of school children was carried out over a period of nearly 20 years. Because of its systematic and federal character and its annual repetition, the census indeed resembled the medical examination preceding military service. But there was a second underlying sense of the analogy, it was that the examination should be carried out correctly: As the military had its own surgeons, so should the schools have school physicians. In a third part the article turns to the remaining question why schoolchildren should be examined at all and demonstrates how the census served to advocate the introduction of special classes and new governmental actions. Thus, the use of the metaphor “school recruits” is an instructive “symptom” of how the medical examination of children was not only more or less naively concerned with their health, but linked to broader social, scientific and political issues like the latest developments in psychiatry, school reforms and the expansion of the welfare state.

² For further examples see Hofmann 2012, 164.

1 The “Inspection” of School Children

Regardless of whether other countries also used martial metaphors, the concept of thoroughly examining “the whole body of the child” and their “mental powers” was rather popular internationally around the turn of the century: “Children’s bodies started to be observed, recorded, described, weighed, measured using diverse technologies, and assessed both physically and psychologically” (Turmel 2008, 8). The trained psychiatrist Maria Montessori, for example, “designed an anthropometer” that “facilitated the work of the researchers”.³ As she put forward in *The Montessori method* 1909 “the measurements of the children’s height” should be taken by the “schoolmistress” every month, the “weight of the child” “every week”. However, at *casa dei bambini*, which she founded in Rome in 1907, additional examinations were performed by a physician and Montessori herself. Hence, Montessori “had printed biographical charts” – an example of which can be found in the chapter *Anthropological considerations* –, where in addition to height and weight, “chest measurements”, “skin color”, “hair color”, various measurements of the head and “details of hereditary antecedents” were to be filled in. Thus, the physician “notices any malformations; describes any pathological conditions with care” (Montessori 1919, 73ff.). Such examinations were in no way limited to Montessori’s “children’s houses”, but were quite common and performed not only at schools. They were a standard psychiatric procedure, as for example Emil Kraepelin’s influential textbook *Psychiatry* shows (Kraepelin 1903, 343ff.). The military took similar measurements. At the end of the 19th century, the medical examination for Swiss military service included measurements of height and the chest, examinations of the teeth and eyes.

But, of course schools and military were not only concerned with the body, but also with the mind: Mental disorders were a reason to be declared unfit for military service (Anonymous 1875, 150ff.). A well-known example for the school’s interest in mental processes are the various inquiries made by G. Stanley Hall. For Hall’s *The content of children’s minds on entering school* 200 children were tested. Did they recognize certain insects and animals (like ants, snails, squirrels) and plants (wheat, maple, potatoes), did they know their body (ribs, lungs, heart), certain concepts (island, river, numbers), were they familiar with proverbs, could they tell a story, repeat a verse? Hall compared his results with tests that were carried out in Berlin and in Kansas. By the way, Hall’s results “proved” that “city life is unnatural” (the tested children from the country ranked higher) and demonstrated “in a striking way the advantage of the kindergarten children, without regard to nationality, over all others. Most of the latter tested were from the charity kindergartens, so that superior intelligence of home surroundings can hardly be assumed” (Hall 1893, 23ff.).

At the end of the 19th century countless “large-scale anthropometric examinations” were being carried out, as Lucy Hoesch Ernst pointed out in 1906. In her thesis, which was supervised by the influential pioneer of educational psychology Ernst Meumann, Hoesch Ernst herself carried out “anthropological-psychological examinations of school children in Zurich”. She measured, for example, the height and weight, the chest, the head and the lung volume of 700 children between the age of six and fifteen. In total she gathered 8750 measurements and compared her findings to international studies (Hoesch Ernst 1906, 1). In a further dissertation supervised by Meumann and submitted in Zurich, Alfons Engelberger examined “the physical and psychological nature of six-year-old children on entering

³ For a hagiographic account of Maria Montessori’s studies at the medical school in Rome, see Kramer 1988, 36ff.

school". Engelsperger examined approximately 500 school children in Munich, for example by taking the children's weight, height and different measurements of their heads (Engelsperger 1905). Such large-scale assessments were quite common at the time. For example, the *British report on the scientific study of the mental and physical conditions of childhood* was based, as the title page proudly announced, "upon the Examination of 50 000 Children seen in 1888 to 1891, and of another 50 000 seen in 1892 to 1894" (Anonymous 1895). In his influential study on the eyesight of school children, which was published in 1867, Hermann Cohn examined 10 060 pupils (Cohn 1867). An official Danish commission examined 11 646 girls and 17 595 boys (for example with regard to height, weight, heart troubles, nose bleeding, anaemia, nervous disorders): 41% of the girls and 29% of the boys were determined to be sick (Hertel 1888, 169ff.). Axel Key's *Report for the Swedish school committee* 1885, examined approximately 3000 girls and 11 000 boys: Roughly half of each were in poor health (Key 1889, 25, 310). These studies found that there were for the most part more sick children in the higher grades. Attending school appeared to be a health hazard, especially if one attended school over longer periods of time.

These percentages of sick children, which may appear astonishingly high, were on the one hand the result of poverty, malnourishment and of fears and assumptions, which in retrospect appear bizarre. On the other hand, they were also the consequence of the exhaustive manner in which the medical examinations were carried out: The more thoroughly an examination is conducted, the more health problems are revealed. Key's examinations were certainly thorough: The "illnesses" he was interested in included nose bleeding, lack of appetite, gastro-duodenal disorders, cardiac diseases, joint problems, rheumatism, genital-urinary complaints or short-sightedness (Key 1889, 40ff.). At the turn of the century health meant always mental health, as well. Key found that approximately 6% of the girls and 2% of the boys suffered from nervousness (Key 1889, 34f., 44ff., 61f., 310ff.). The preoccupation with mental disorders of children was a new development at the end of the 19th century: The national authorities started to pay attention to so-called feeble-minded and abnormal children and special education classes grew more popular internationally (see e.g. Jackson 2000; Ruchat 2003; Trent 1994; Vial 1990). At the end of the 19th century, the obsession with physical and mental health was far from limited to the field of educational science. This period saw not only the beginnings of examinations of children and the development of a psychological, experimental educational science (see e.g. Depaeppe 1993; Dudek 1990; Smuts 2006); the focus on hygiene was quite general. While hygiene "makes its way into the factories, [...] inspects the markets, supervises bakers and butchers and even takes a look at the plans of the architects", hygiene also finds its way into schools, a lecturer at the annual meeting of the teachers of Zurich emphasized in 1879 (Ernst 1880, 2). Welfare states with health insurances and social services developed, public health ministries were founded. The Swiss Federal Health Office was created in 1898 (for Switzerland see Lengwiler/Madrász 2010; Matter 2011; Ramsauer 2000; Wilhelm 2005).

2 A Metaphor With a Double Meaning

As Friedrich Prinzing emphasized 1906 in his manual on medical statistics "in many cantons of Switzerland, special attention is paid to the examination of school beginners" (Prinzing 1906, 97). Thus, the first federal "census of feeble-minded children at school-age including

physically frail and morally depraved children" was carried out in 1897. The examinations were to continue until 1914 (see Ruchat 2003, 63ff.; Wolfsberg 2002, 75ff.). The idea of such surveys of the mental, moral and physical health of all Swiss school beginners was not at all new, but because of its systematic and federal character and its annual repetition over a period of nearly 20 years, its comparison to the medical examination for military service was in a certain sense merited.

In Switzerland, compulsory military service and compulsory school attendance were established in various cantons at the beginning of the 19th century and only later became a part of the federal constitution: Compulsory military service was stipulated in 1848, compulsory school attendance in 1874. As in many countries, both forms of compulsory "service" were only gradually enforced (see Criblez/Huber 2008; Fuhrer 1999). In 1874, at the same time as compulsory school attendance was introduced at the federal level, a new federal law aimed at enforcing compulsory military service was adopted. While before 1874, less than 40% of men performed military service, the quota increased to more than 60% in 1914 (Jaun 1997, 69). Thus, the following statement with regard to compulsory military service applies equally to compulsory education: The laws stipulating compulsory military service tended to ignore the vast differences in the implementation of the laws (Hartmann 2011, 27). But in a certain sense, the situations regarding school and military were diametrically opposed: While in many countries the better-off classes were exempted from military service or benefitted from special provisions (ibid., 30), with regard to school attendance, the poorer children did not go to school or worked in addition to attending classes (Bauder/Crotti 2009).

Internationally "the imperatives of compulsory education", "school failure and school drop-out" were a "concomitant phenomenon" (Cohen 1999, 242f.). Only a truly compulsory school attendance turned absentees, drop-outs and the less talented and ill children into a serious problem (Ruchat 1999, 274). Thus, the first studies on truancy were published at the end of the 19th century (Dunkake 2007, 19). As with compulsory education, the nature of compulsory military service changed once it was actually enforced: The medical examinations became more important and – due to the increased numbers of recruits – more demanding (Hartmann 2011, 101ff.). The main focus of the military was undoubtedly on the physical health of its recruits. In 1875, the instructions for the Swiss military's medical examination included 108 different illnesses that counted as grounds for recruits to be declared unfit for service. Only five of these concerned the brain or the nervous system: Firstly, neuralgia and nervous pains, secondly, motoric nervous troubles, such as trembling, cramps or paralysis, thirdly vertigo, Huntington's chorea, epilepsy, catalepsy, sleepwalking – the latter three forms were marked with the comment that they are often only feigned –, fourthly, feeble-mindedness and fifthly, past or present mental illnesses (Anonymous 1875, 156ff.). In the *Statistical yearbook*, only 38 of these 108 illnesses were listed. In a certain respect, mental disorders were increasing in importance, because the list also included dullness, mental illness, epilepsy and other nervous disorders (Anonymous 1902, 292).

Although the national census was not continued after 1914, this naturally did not mean that school children were no longer examined. Whereas a strict medical control was established in the Swiss military in 1875, the first secondary school physicians were appointed in the 1880s in Basel and Lausanne: The nationwide coverage by school physicians was established only in 1929 when a law was passed on tuberculosis (Imboden 2003, 46).⁴ The Swiss school sta-

⁴ For the history of school physicians in Switzerland see also Hofmann 2008a, 2008b; Heller 2004; Zottos 2004.

tistics indicate that in 1911/12, e.g. only 18% of the primary schools in the well-developed canton of Zurich had school physicians; rural cantons, such as Uri, Schwyz, Nidwalden or Basel-Landschaft, had none at all (Huber/Bay 1914, 1. Teil, 1-28, 3. Teil, 1-2). Thus, compared to the military surgeons, the dissemination of schools physicians took place with half a century's delay. Unsurprisingly, the issue of school physicians came up during the discussions regarding the continuation of the census in 1898. The heads of the cantonal departments of education, for example, queried whether it was truly necessary for the examination to be conducted by physicians, emphasizing that employing them would be an expensive affair. The head of the educational department of the canton of Schwyz pointed out that medical examinations similar to those carried out in the military would not be possible, because they would encroach upon the moral sentiments of the children.⁵ Subsequently, the Department of the Interior withdrew its initial outline and stated more precisely: "An accurate medical examination, such as is carried out with military recruits, is not the objective". According to official reports, the examinations were mostly carried out by physicians in larger towns and villages. Compared to the teachers, the physicians found more afflictions (Statistisches Bureau 1900, 54ff.). Their diagnostic skills were better and the physicians used "the proper terminology" (Statistisches Bureau 1897, XXIII). In 1910, an official memorandum of the canton of the Grisons noted that half of the canton's "school recruits" had been examined by physicians: "The results speak strongly in favor of the examinations carried out by medical professionals" (Anonymous 1910, 57).

At first glance, one might attribute the use of the term "school recruits" to the fact that, as in the military, the health of all school beginners was systematically examined on an annual basis in the whole country. However, since this idea was neither original nor in dispute, the analogy between soldiers and school children also appears to have had another reason. Even the Swiss Department of the Interior emphasized that the school examinations and the military examinations could not truly be compared to each other. At school, "the medical examinations are not as precise" as those carried out during military recruitment (Hasenfratz 1929, 26). The comparison between school children and soldiers was particularly popular in the *Yearbook of the Swiss society for school hygiene*, which had close ties to the medical discipline and was often used by physicians and in articles that dealt with medical issues (such as ear examinations) or considered the "issue of school physicians" (e.g. Müller 1900, 19ff.; Laubi 1903, 60; Schlittler 1928, 293). Frequently, the intention behind the use of the term "school recruits" was therefore not to demand or emphasize that pupils should be examined. Rather, the underlying sense of the analogy was that the examination should be carried out correctly: As the military had its own surgeons, so should the schools have school physicians. After the 1930s, the term almost completely ceased to be used. Once medical control had been established at the schools, the analogy disappeared.⁶

5 On the impact of being undressed and measured in the military at the end of the 19th century, for many men, this was the first medical examination, see Hartmann 2011, 143ff.

6 See the temporal distribution of the occurrence of the term "school recruits" (*Schulrekruten*) in digitalized Swiss journals: <http://retro.seals.ch/digbib/browse4> [accessed 14 September 2015].

3 Statistics, Administration and School Reform

The first federal survey of the "feeble-minded children at school-age including physically frail and morally depraved children" in 1897 had been demanded by the Swiss teachers' associations, which had concerns about the fate of "children, who, without being dumb or blind, are mentally weakly developed, but not entirely uneducable." Many of those "unfortunate children" were forced to attend schools, "at which the due care and attention cannot be given". In their official request, the teachers' associations called attention to this "great humanitarian task". Helping meant ensuring that there were sufficient classes for children with special needs. Based on the assumption that 1% to 2% of the children required special education, there were not enough classes (Anonymous 1898, 2f.). The first public special classes in Switzerland were established in Basel in 1888; in 1889 classes were introduced in St. Gallen and in 1891 in Zurich (Imbach 1894, 3f.).⁷ The development was rather fast: From two special classes with 40 pupils in 1888, to 106 separately located classes with approximately 2209 pupils in 1913 (Hasenfratz 1916, 61). Based on the records from 1911, roughly 3% of the primary school pupils attended special classes (Anonymous 1911, 226; Hasenfratz 1916, 61). In the school year 1936/37, 0.85% of the girls 1.2% of the boys attended special classes (Anonymous 1937, 109f.). Thus, in spite of this rapid dissemination, the attendance of special classes remained considerably lower than demanded by the Swiss teachers' associations. This is one of the reasons for the continuous federal census between 1897 and 1914: It was a measure to keep up pressure. One of the experts who organized the census, the teacher Konrad Auer, stated quite bluntly: The survey promotes "the integration of special classes into primary schools" and the development of institutions of special education (Auer 1899, 5). As a result of the objectives of the Swiss teachers' associations and the census specialists, the published comments and the extensive tables exhibited a special focus on the "teachable children" among the "feeble-minded" ones and on their the attendance of special classes and placement in special institutions (Anonymous 1898, 14). The official report noted: "Some members of school boards who worked for the census, believed the aim of the survey was to impose special classes on the communities" (Statistisches Bureau 1897, XXVIII).

Several censuses of the mental health of school children had been carried out before 1897, e.g. in 1890 in the canton of Solothurn or in 1895 in Glarus (Statistisches Bureau 1897, XXX), which the teachers' associations naturally were aware of (Anonymous 1898, 3ff.). However, there was another very important and official source for census data on the "mentally ill and idiots" before 1897, which the initiators were also quite well aware of: "The medical examinations of the recruits show that the percentage of feeble-minded or extremely incapable children compared to the normally capable children amounts to 1% to 2%" (Anonymous 1898, 3). The census came to the same results as the military examinations: On average, between 1905 and 1914, 1% of the school children was considered to be feeble-minded (see e.g. Anonymous 1915, 198; Heer 1897). Hence, the results of the census had already been established before the survey of the children even began. Therefore it is remarkable that the analysis of the censuses only very rarely distinguished between girls and boys and did not comment on possible differences (Statistisches Bureau 1900, 12ff.). This

7 For an overview of the development of special education in Switzerland see Lussi Borer 2011; Wolfsberg 2002, 43-136; Strasser/Wolfsberg 2011.

at least would have been an opportunity to achieve new results compared to the medical examination for military service. Internationally, the distinction between girls and boys was quite customary, as for example Danish or Swedish surveys show (Hertel 1888; Key 1889). In France, for example, an official commission came to the conclusion that 0.9% of the girls and 1% of the boys were abnormal. However, a different French survey found that 5% of the boys in municipal primary schools were abnormal. In their own survey Alfred Binet and Théodore Simon found that 3.7% of the girls and 5.35% of the boys were three years behind in their school subjects (Binet/Simon 1907, 11f., 68). Already in 1881, the official statistical survey of the school hygiene in the primary schools of the canton of Berne reported that 1.2% of the girls and 1.5% of the boys were considered not teachable. However, the need for therapeutic measures was even greater: The category "difficult to educate, i.e. pupils, the teacher has to pay special attention to", included 17.5% of the girls and 22% of the boys. The survey concluded: "These are disturbing figures" (Statistisches Bureau 1881, 51).

The criteria employed in the censuses were rather vague regardless of whether mental, moral or physical "illnesses" were to be determined. According to the survey's instructions, estimating the degree of feeble-mindedness "may often appear difficult". The instructions pointed out that pupils who had to repeat grades were not necessarily feeble-minded: "Children should only be classified as feeble-minded ... if the classification can be determined with certainty ... Since the borders between different degrees of intellectual talent are variable, the allocation of a child to one of the classes will frequently be difficult. However, in the majority of the cases, the decision will not be too difficult. Essentially, it is important to distinguish teachable children from not teachable ones and to distinguish feeble-minded children from poorly talented ones" (Anonymous 1898, 7ff.).

Of course, as the experts of the time knew very well, the litotes "not too difficult" only serves to conceal the great challenge associated with distinguishing teachable children from not teachable ones, and with telling poorly and highly talented children apart. In his publication *La Classification des enfants anormaux*, the psychiatrist and Belgian pioneer of progressive education Ovide Decroly published 75 pages of systems and criteria: "The expression abnormal [...] still lacks precision", "there are nearly as many modes of allocation as there are authors who write about the subject" (Decroly 1905, 6f.). Decroly's colleague Montessori – also a trained psychiatrist – drew the same conclusion: There was no "secure and exact scientific basis to distinguish" the various disorders (Montessori 1902/2011, 61). Comments such as "immensely difficult", "complicated distinction" were frequent in publications that dealt with abnormal children (Weygandt 1905, 3).

It is interesting to note that the census was carried out in a manner that was different to that intended by its creators. Thus the analysis of the first census mentioned nervous afflictions such as neurasthenia, nervousness, nervous crises, Huntington's chorea and epilepsy. The summary tables included nervous illnesses, epilepsy and Huntington's chorea were listed separately (Anonymous 1898, 16ff.; Statistisches Bureau 1900, 14ff.). However, the questionnaires inquired only as to whether a child was to a lesser or higher degree feeble-minded or whether the child "being otherwise mentally normal" suffered from hearing impairments, bad eyesight or other physical afflictions preventing the child from keeping up with the class. The instructions indicated that "other afflictions" could include "stammering, Huntington's chorea, epilepsy or other chronic afflictions" (Anonymous 1898, 7). Nervous afflictions such as neurasthenia, nervousness and nervous crises were not foreseen in advance. The fact that such disorders found their way into the census is not particularly astonishing. In a manner

of speaking, this was the period during which psychiatry left the asylum and "neurotic" disorders gained previously unattained significance. Neurasthenia, hysteria or nervousness – initially treated by neurologists, such as George Miller Beard, Jean-Martin Charcot or Sigmund Freud – and psychotherapeutic treatments, such as suggestion therapy, hypnosis or psychoanalysis become increasingly popular (see e.g. Dowbiggin 2011; Gijswijt-Hofstra/Porter 2001; Shorter 1997): It was the dawning of "the nervous century" (Mantegazza 1888). Thus, in addition to the issue of feeble-mindedness, new forms of mental disorders emerged: From the end of the 19th century, the difficult, nervous child started to become the international focus of both "special" and "normal" education (see e.g. Göppel 2010; Jones 2002; Quincy-Lefebvre 1997).

Initially, the census was not planned as an annual survey. Following the first census, the Swiss teachers' associations repeated their appeal to the federal ministry. They proposed that all the children that were diagnosed as "abnormal" in 1897 should be re-examined more thoroughly in a follow-up survey. The Federal Statistical Office prepared a new questionnaire, which consisted of two parts: One for the physicians and one for the teachers. Under the heading "hereditary diseases", diseases of the nerves (epilepsy, Huntington's chorea, hysteria, hypochondria) or anomalies of the personality that occurred in the family were to be indicated. Cramps, vertigo, overexcitement, rage were to be noted, and the character and temperament of the children indicated: The prepared questionnaire included questions such as the following: Is the child dangerous, impulsive? Can emotional outbursts or violence be observed? The idea of a second census and the new questionnaire was confidentially submitted to the directors of special institutions and teachers of special classes. Due to its ample prior and not very convincing experiences with medical reports, the Swiss association of the teachers of the deaf and dumb cautioned that such a detailed investigation of "abnormal" children would not be particularly fruitful. As a counter-proposal, the association proposed that an annual survey be carried out. Such a procedure would be simple and cheap and the advantage would be to know the number, age, place of residence, name of the "sick" children. Such children could then be closely examined and treated. It argued that the census would therefore be an important first step towards the establishment of the obligatory registration of "abnormal" children. The Department of the Interior was immediately convinced by this proposal: "Since the state makes school attendance compulsory and therefore claims certain parental rights, it should also take over the duties involved". Thus, the department stated "that it would be very advisable to establish everywhere such medical examinations of school beginners, which are already being conducted at schools that have school physicians, similar to the medical examination of the recruits." The proposed questionnaire was rather simple: Name, year of birth, place of residence, occupation of the father (or the mother), type of sickness or affliction, comments. As with the initial examination, the Department of the Interior was to fund the census. Most of the cantons agreed and a new questionnaire was prepared (Statistisches Bureau 1900, 36ff.). The governmental inquiry relied on statistics to promote a school reform.⁸ At the same time examining "school recruits" was an attempt to "isolate" "sick" children and to treat them. Thus, the census was a first step towards a "compulsory registration" of "abnormal" children, as well (Statistisches Bureau 1900, 48).

8 For the rise of educational statistics in Switzerland see Czaka/Freymond/Lussi Borer 2013; Mattmüller 1982.

Sources

- Anonymous: Instruktion über die Untersuchung und Ausmusterung der Militärpflichtigen. (Vom 22. Herbstmonat 1875). In: Schweizerisches Militär-Verordnungsblatt 81(1875), 148-162
- Anonymous: Report on the Scientific Study of the Mental and Physical Conditions of Childhood with particular Reference to the Children of defective Constitution; and with Recommendations as to Education and Training. London: published by the Committee, Parkes Museum, Margaret Street 1895
- Anonymous: Die Zählung der schwachsinigen Kinder im schulpflichtigen Alter mit Einschluss der körperlich gebrechlichen und sitzlich verwahrlosten Jugend durchgeführt im Monat März 1897. In: Jahrbuch des Unterrichtswesens in der Schweiz 1895 und 1896, 9/10(1898), 1-115
- Anonymous: Die Gründe der Untauglichkeit. In: Statistisches Jahrbuch der Schweiz 11(1902), 292-293
- Anonymous: Kreisschreiben des Erziehungsdepartements des Kantons Graubündens an die Herren Schulinspektoren, Schulräte und Lehrer betreffend Absenzen etc. (Oktober 1910). In: Jahrbuch des Unterrichtswesens in der Schweiz 24(1910), 56-57
- Anonymous: Statistischer Jahresbericht 1911. In: Jahrbuch des Unterrichtswesens in der Schweiz 25(1911), 224-254
- Anonymous: Ergebnisse der ärztlichen Untersuchung der ins schulpflichtige Alter gelangten Kinder (1905-1914 in 19 Kantonen). In: Statistisches Jahrbuch der Schweiz 24(1915), 198
- Anonymous: Der Schularzt. In: Schweizerische Lehrerinnenzeitung 22(1917/1918), 236-241
- Anonymous: Schulstatistik für das Schuljahr 1936/37. In: Archiv für das schweizerische Unterrichtswesen 23(1937), 107-134
- Auer, Johann Konrad: Die eidgenössische Zählung der schwachsinigen Kinder und deren Hauptergebnisse als Grundlage des schweizerischen Rettungswerkes für die unglückliche Jugend. Aarau: Sauerländer 1899
- Binet, Alfred/Simon, Théodore: Les Enfants anormaux. Guide pour l'admission des Enfants anormaux dans les classes de Perfectionnement. Paris: Colin 1907
- Cohn, Hermann: Untersuchungen der Augen von 10 060 Schulkindern nebst Vorschlägen zur Verbesserung den Augen nachtheiligen Schulinrichtungen. Eine ätiologische Studie. Leipzig: Fleischer 1867
- Decroly, Ovide: La classification des enfants anormaux. Gand: Vander Haeghen 1905
- Engelsperger, Alfons: Beiträge zur Kenntnis der physischen und psychischen Natur des sechsjährigen in die Schule eintretenden Kindes. Diss. Universität Zürich 1905
- Ernst, Heinrich: Über Schulgesundheitspflege. In: Bericht über die Verhandlungen der Zürcherischen Schulsynode von 1879, Beilage V. Uster: Weilenmann 1880, 1-31
- Hall, G. Stanley: The Contents of Children's Minds on entering School. New York/Chicago: Kellogg 1893
- Hanselmann, Heinrich: Erfassung und Behandlung der Persönlichkeit des geistesschwachen Kindes. In: Jahresbericht des Bündnerischen Lehrervereins 45(1927), 7-28
- Hasenfratz, Emil: Fürsorge für die anormale Jugend in der Schweiz in ihren eidgenössischen und kantonalen Gesetzen, Verordnungen, Reglementen und deren Schulen, Erziehungs- und Pflegeanstalten. Glarus: Buchdruckerei Glarner Nachrichten 1916
- Hasenfratz, Emil: Geschichte der Schwachsinnigenfürsorge der Schweiz in neuerer Zeit. Zürich: Beer 1929
- Heer, Oswald: Beitrag zur Kenntnis der Rekrutierungsverhältnisse der landwirtschaftlichen und industriellen Bevölkerung der Schweiz. Schaffhausen: Meier 1897
- Hertel, Axel: Neure Untersuchungen über den allgemeinen Gesundheitszustand der Schüler und Schülerinnen. In: Zeitschrift für Schulgesundheitspflege 1(1888), N°6, 167-183, N°7, 202-215
- Hiestand, Heinrich: Die sozialpädagogischen Aufgaben der Volksschule. In: Jahrbuch der Schweizerischen Gesellschaft für Schulgesundheitspflege 9(1908), 647-664
- Hoesch Ernst, Lucy: Anthropologisch-psychologische Untersuchungen an Zürcher Schulkindern. Neuwied: Heuser 1906
- Huber, Albert/Bay, Gustav (Eds.): Schweizerische Schulstatistik 1911/12. 1. Band: Statistik. Zürich: Berichthaus 1914
- Imbach, Xaver: Ueber Errichtung einer Spezialklasse für Schwachbegabte an den Stadtschulen von Luzern. Luzern: Burkhardt 1894
- Key, Axel: Schulhygienische Untersuchungen. Hamburg/Leipzig: Voss 1889
- Kraepelin, Emil: Psychiatrie. Ein Lehrbuch für Studierende und Ärzte, Volume 1 (1883). Leipzig: Barth 1903
- Laubi, Otto: Zweck und Methode der Ohrenuntersuchung in den Volksschulen und Vorschläge zur Verhütung der wichtigsten Ohrenkrankheiten. In: Jahrbuch der Schweizerischen Gesellschaft für Schulgesundheitspflege 4(1903), 60-83
- Mangold, Fritz: Systematisches Inhaltsverzeichnis 1864-1925. In: Beiheft der Zeitschrift für Schweizerische Statistik und Volkswirtschaft (1925)

- Mantegazza, Paul: Das nervöse Jahrhundert. Leipzig: Steffens 1888
- Montessori, Maria: The Montessori Method. Scientific Pedagogy as applied to Child Education in "The Children's Houses" (1909). New York: Stokes 1919
- Montessori, Maria: Normen für die Klassifikation der Schwachsinnigen im Verhältnis zu den Spezialmethoden der Erziehung (1902). In: Maria Montessori: Gesammelte Werke. Band 3: Erziehung und Gesellschaft. Kleine Schriften aus den Jahren 1897-1917. Freiburg/Basel/Wien: Herder 2011, 58-91
- Müller, Arnold: Der heutige Stand der Schularztfrage. In: Jahrbuch der Schweizerischen Gesellschaft für Schulgesundheitspflege 1(1900), 15-25
- Prinzing, Friedrich: Handbuch der medizinischen Statistik. Jena: Fischer 1906
- Schlittler: Ohrenärztliches aus der Schwerhörigenschule Basel-Stadt 1916-1927. In: Schweizerische pädagogische Zeitschrift 38(1928), N°11, 293-298
- Statistisches Bureau der Direktion des Innern: Statistik der Schulhygiene in den Primarschulen des Kantons Bern. Bern: Wyss 1881
- Statistisches Bureau des eidgenössischen Departements des Innern (Hrsg.): Die Zählung der Schwachsinnigen Kinder im schulpflichtigen Alter körperlich gebrechlichen und sitzlich verwahrlosten durchgeführt im Monat März 1897, 1. Band. Bern: Stämpfli 1897
- Statistisches Bureau des eidgenössischen Departements des Innern (Hrsg.): Die Zählung der Schwachsinnigen Kinder im schulpflichtigen Alter körperlich gebrechlichen und sitzlich verwahrlosten durchgeführt im Monat März 1897, 2. Band. Bern: Stämpfli 1900
- Stocker, Friedrich: Die Schularztfrage auf Grund bisheriger Erfahrungen. In: Jahrbuch der Schweizerischen Gesellschaft für Schulgesundheitspflege 6(1905), 123-125
- Weygandt, Wilhelm: Leicht abnorme Kinder. Halle: Marhold 1905

Literature

- Bauder, Tibor/Crotti, Claudia: Labour, children and education in the first half of the 19th century. Socio-political and pedagogical endeavours in Switzerland. In: Christine Mayer (Ed.): Children and youth at risk. Historical and international perspectives. Frankfurt am Main: Lang 2009, 107-120
- Cohen, Sol: Challenging Orthodoxies. Toward a New Cultural History of Education. New York: Lang 1999
- Cribble, Lucien/Huber, Christina: Der Bildungsartikel der Bundesverfassung von 1874 und die Diskussion über den eidgenössischen "Schulvogt". In: Lucien Cribble (Ed.): Bildungsraum Schweiz. Historische Entwicklung und aktuelle Herausforderung. Bern/Stuttgart/Wien: Haupt 2008, 87-129
- Czaka, Véronique/Freymond, Mathilde/Lussi Borer, Valérie: "A Necropolis of Numbers": data production in Switzerland's decentralised education system. In: European Educational Research Journal 12(2013), N°1, 81-94
- Depaepe, Marc: Zum Wohl des Kindes? Pädologie, pädagogische Psychologie und experimentelle Pädagogik in Europa und den USA, 1890-1940. Weinheim/Leuven: Deutscher Studien Verlag/Leuven University Press 1993
- Dowbiggin, Ian: The Quest for Mental Health. A Tale of Science, Medicine, Scandal, Sorrow, and Mass Society. Cambridge: Cambridge University Press 2011
- Dudek, Peter: Jugend als Objekt der Wissenschaften. Geschichte der Jugendforschung in Deutschland und Österreich 1890-1933. Opladen: Westdeutscher Verlag 1990
- Dunkake, Imke: Die Entstehung der Schulpflicht, die Geschichte der Absentismusforschung und Schulschwänzen als abweichendes Verhalten. In: Michael Wagner (Ed.): Schulabsentismus. Soziologische Analysen zum Einfluss von Familie, Schule und Freundeskreis. Weinheim/München: Juventa 2007, 13-36
- Fuhrer, Hans-Rudolf: Wehrpflicht in der Schweiz – ein historischer Überblick. In: Karl Haltiner/Andreas Kühner (Eds.): Wehrpflicht und Miliz – Ende einer Epoche. Baden-Baden: Nomos 1999, 67-78
- Gijswijt-Hofstra, Marijke/Porter, Roy: Cultures of Neurasthenia. From Beard to the First World War. Amsterdam/New York: Rodopi 2001
- Göppel, Rolf: Von der "Ungezogenheit" zur "Verhaltensstörung"? Das Bild des "schwierigen Kindes" in der Geschichte der Pädagogik. In: Rolf Göppel: Pädagogik und Zeitgeist. Erziehungsmentalitäten und Erziehungsdiskurse im Wandel. Stuttgart: Kohlhammer 2010, 201-210
- Hacking, Ian: The Taming of Chance (1990). Cambridge: Cambridge University Press 2008
- Hartmann, Heinrich: Der Volkskörper bei der Musterung. Militärstatistik und Demographie in Europa vor dem Ersten Weltkrieg. Göttingen: Wallstein 2011
- Heller, Geneviève: "Tiens-toi droit!" L'enfant à l'école primaire au 19^e siècle. Espace, morale, santé. L'exemple vaudois. Lausanne: D'en bas 1988

- Hofmann, Michèle (2008a): Schulen als Instrument der Krankheitsprophylaxe. In: Claudia Crotti/Fritz Osterwalder (Eds.): *Das Jahrhundert der Schulreformen. Internationale und nationale Perspektiven 1900-1950*. Bern: Haupt 2008, 83-104
- Hofmann, Michèle (2008b): Schulhygiene. In: Daniel Tröhler/Urs Hardegger (Eds.): *Zukunft bilden. Die Geschichte der modernen Zürcher Volksschule*. Zürich: NZZ Libro 2008, 201-213
- Hofmann, Michèle: *Gesundheit macht Schule. Schulhygiene in der deutschsprachigen Schweiz im ausgehenden 19. und in der ersten Hälfte des 20. Jahrhunderts*. Diss. Universität Bern 2012
- Imboden, Monika: *Schule macht gesund. Die Anfänge des schulärztlichen Dienstes der Stadt Zürich und die Macht hygienischer Wissensdispositive in der Volksschule 1860-1900*. Zürich: Chronos 2003
- Jackson, Mark: *The borderland of imbecility. Medicine, society, and the fabrication of the feeble mind in late Victorian and Edwardian England*. Manchester: Manchester University Press 2000
- Jaun, Rudolf: Vom Bürger-Militär zum Soldaten-Militär: Die Schweiz im 19. Jahrhundert. In: Ute Frevert (Ed.): *Militär und Gesellschaft im 19. und 20. Jahrhundert*. Stuttgart: Klett-Cotta 1997, 48-77
- Jones, Kathleen W.: *Taming of the troublesome Child. American Families, Child Guidance, and the Limits of Psychiatric Authority*. Cambridge/London: Harvard University Press 2002
- Kramer, Rita: *Maria Montessori. A Biography*. Reading: Merloyd Lawrence 1988
- Lengwiler, Martin/Madrász, Jeannette (Eds.): *Das präventive Selbst. Eine Kulturgeschichte moderner Gesundheitspolitik*. Bielefeld: transcript 2010
- Lussi Borer, Valérie: Die Heilpädagogik: Spezifisches Berufsfeld und autonome Disziplin? In: Rita Hofstetter/Bernard Schneuwly (Eds.): *Zur Geschichte der Erziehungswissenschaften in der Schweiz. Vom Ende des 19. Jahrhunderts bis zur Mitte des 20. Jahrhunderts*. Bern: hep 2011, 271-294
- Matter, Sonja: *Der Armut auf den Leib rücken. Die Professionalisierung der Sozialen Arbeit in der Schweiz (1900-1960)*. Zürich: Chronos 2011
- Matzmüller, Hanspeter: Die eidgenössische Bildungspolitik zwischen 1870 und 1903 und die Entstehung der schweizerischen Schulforschung. In: *Schweizerische Zeitschrift für Geschichte* 32(1982), N°3, 401-420
- Quincy-Lefebvre, Pascale: *Familles, institutions et déviances. Une histoire de l'enfance difficile 1880 – fin des années trente*. Paris: Economica 1997
- Ramsauer, Nadja: "Verwahrlost". Kindswegnahme und die Entstehung der Jugendfürsorge im schweizerischen Sozialstaat 1900-1945. Zürich: Chronos 2000
- Ruchat, Martine: "Widerspenstige", "Undisziplinierte" und "Zurückgebliebene": Kinder, die von der Schulnorm abweichen (1874-1890). In: Lucien Criblez/Carlo Jenzer/Rita Hofstetter/Charles Magnin (Eds.): *Eine Schule für die Demokratie. Zur Entwicklung der Volksschule in der Schweiz im 19. Jahrhundert*. Bern: Lang 1999, 265-282
- Ruchat, Martine: *Inventer les arriérés pour créer l'intelligence. L'arriéré scolaire et la classe spéciale. Histoire d'un concept et d'une innovation psychopédagogique 1874-1914*. Bern: Lang 2003
- Shorter, Edward: *A History of Psychiatry. From the Era of the Asylum to the Age of Prozac*. New York: Wiley 1997
- Smuts, Alice Boardman: *Science in the Service of Children 1893-1935*. New Haven/London: Yale University Press 2006
- Strasser, Urs/Wolfsberg, Carlo: *Schweizer Heilpädagogik*. In: *Enzyklopädie Erziehungswissenschaft Online*. Weinheim/Basel: Beltz 2011
- Trent, James W.: *Inventing the Feeble Mind. A History of Mental Retardation in the United States*. Berkeley/Los Angeles/London: University of California Press 1994
- Turmel, André: *A Historical Sociology of Childhood. Developmental Thinking, Categorization and Graphic Visualization*. Cambridge: Cambridge University Press 2008
- Vial, Monique: *Les enfants anormaux à l'école. Aux origines de l'éducation spécialisée 1882-1909*. Paris: Colin 1990
- Wilhelm, Elena: *Rationalisierung der Jugendfürsorge. Die Herausbildung neuer Steuerungsformen des Sozialen zu Beginn des 20. Jahrhunderts*. Bern: Haupt 2005
- Wolfsberg, Carlo: *Heilpädagogik und Eugenik. Zur Geschichte der Heilpädagogik in der deutschsprachigen Schweiz (1800-1950)*. Zürich: Chronos 2002
- Zotos, Eléonore: *Santé, jeunesse! Histoire de la médecine scolaire à Genève 1884-2004*. Genève: Service de Santé de la Jeunesse/Office de la Jeunesse 2004

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