

Militarization and Science

Cornelia Mannewitz

(German Peace Society-United Military Services Resisters;
Education and Science Workers' Union)

NATO Counter Summit

Cardiff, 2014-08-31

„Basis“:

- Autonomous university / entrepreneurial university
- “prohibition of cooperation”
- Funding of research by the state: 1995-2008 = + 6%

Funding of research by “others”: 1995-2008 = + 50%

By „others“:

“indispensable element of the scientific competition and the developing of a clear profile in the German academic system”

- For research – not for teaching (<> role of teaching, jobs in universities)
- Different forms: funding of projects; endowed professorships (600 funded by companies); “Deutschland”-scholarships

DFG (German Research Foundation) funding
of projects = source of 33% of all “other”
financing
= “artificial competition”

„Excellence“

Excellence Initiative for universities:

Excellence clusters (TU Munich – Airbus Group – DLR)

**Coalition treaty: “support infrastructures,
where universities and companies cooperate”**

“university medicines” (faculties of medicine + university hospitals) with elements of the private sector

Funding by EU:

8th Framework Programme for Research and Technological Development („Horizon 2020“):

- APPLICATIONS IN SATELLITE NAVIGATION-GALILEO-2015
- FIGHT AGAINST CRIME AND TERRORISM
- BORDER SECURITY AND EXTERNAL SECURITY
- EUROPE AS A GLOBAL ACTOR
- DIGITAL SECURITY: CYBERSECURITY, PRIVACY AND TRUST
- ICT 2014 - INFORMATION AND COMMUNICATIONS TECHNOLOGIES
- ...

<German European Security Association (GESA) – founded by German members of European Parliament, + Airbus, Siemens, DLR, ...

Consequences:

- intransparency of funding, intransparency of research; limitation of publications, ...
 - growing role of applied research
 - influence on teaching
 - critical science?
-
- nine of ten young scientists on temporary workplaces; 45 % of the personnel in research financed by “others”
- >unsafeness, lack of time for political work, obedience (for students: <Bologna process)
- <>militarization of society

= Chance for the military:

- 8 mln € per year from Ministry of Defence for universities
- projects at nearly 50 universities and universities of applied sciences (advanced colleges), details secret since 2010
- funding of projects by the German Ministry of Defence abroad (in Switzerland, EWTN Zurich)

Pentagon funding:

Projects funded by Pentagon in 22 German universities and scientific institutions

(explosive materials, special glass, drones, language structures)

since 2000, 10 mln \$

– in public discussion only since 2013

State policy:

- Coalition treaty: **„security and defence industry of national interest- save core competencies and workplaces in Germany, further development of technologies and capabilities”**
- German President, Joachim Gauck - Munich Security Conference 2014: **“make contributions earlier, more resolutely and more substantially”**
- Federal Chancellor, Angela Merkel: **“save peace by export of arms to reliable partners who want to act”**

Humanities:

- Berlin, Freie Universität: Collaborative Research Center (SFB) 700 “Governance in areas of limited statehood”
- Oldenburg: “culture of intervention”
- Potsdam: master programme “Military Studies” (sociology, history)
- “need” of “Strategic Studies” (Switzerland; USA, GB, Australia, ...)

1914-2014

Christopher Clark “The Sleepwalkers”

Herfried Münkler

– German role in WW I

ready for new wars?

Science from the New Right:

Martin Böcker, Larsen Kempf, Felix Springer (eds.): *Soldatentum. Auf der Suche nach Identität und Berufung der Bundeswehr heute* (München: Olzog, 2013) („in search of identity and vocation of the German Federal Armed Forces today“)

Universität der Bundeswehr München, Institut für Staatspolitik: new image of army and soldier:

- Soldier = archaic fighter
- Democratic societies do not clearly define their enemies
- Culture of memory of the German army paralyses developing of up-to-date concepts of soldier
- Learn to estimate military quality and spirit of Wehrmacht soldiers
- “Soldier = principle of behaviour”

Various themes:

Ministry of Defence implemented projects for military research in **2013**:

nearly 90 complex themes:

- drones – improvement (interaction, stealth drones)
- warfare in big cities (“Military Operations in Urban Terrain”)
- computer games for education and training of soldiers (“Serious games”)

- laser impact on materials
- new fuels for rockets
- military medicine: neutralization of biological and chemical weapons, psychological fitness of soldiers, measurement of radioactivity > chances to survive
- history of the German armed forces after 1990

Institutes of the German Federal Armed Forces, Fraunhofer Society, DLR, industry, *universities*

Civil clauses

= voluntary promises of teaching and research only for peaceful and civil purposes; German history, political experience, wars, political activity in universities

- Tübingen: “peaceful purposes, enrichment of the common life of peoples, sustainability”
- Bremen: “against any contribution to research for military purposes, public discussion of projects that could be used for military purposes, university obliged to work for peace”
- TU Darmstadt: “exclusively peaceful and civil; teaching and research, especially development and improvement of technical systems, only with civil aims”

- activists: students, students' representatives, scientists, members of trade unions
- coordination since 2009 (refusal of civil clause in KIT Karlsruhe)
- in 18 universities – in constitutions, codes of conduct, rules of sustainability, ...; federal states' university laws?

- With/without institutions of control:
- declarations for financing of projects by the university (TU Berlin, Dortmund),
commissions of university structures (Senat),
reports of university administration

Challenges:

Arguments:

- liberty of science
- Dual Use
- basic research
- concept of peace, saving of peace

Forces:

- conservative political groups in universities
- political forces in parliaments (federal states, Bundestag)

Scientists, organizations:

- Joachim Krause, professor, university of Kiel, Institut für Sicherheitspolitik: “influence of left, far-left groups on democratic universities; like in the past when one could not cooperate with Jews”
- Deutscher Hochschulverband: civil clauses break the Constitution

Break of civil clauses:

- interpretation as not obligatory, “interesting idea for discussion”
- military research, secret research – in Hannover 26 projects, 6.9 mln €
- courses by persons connected with the army
- endowed professorships (Bremen – OHB; Bonn, Henry-Kissinger-professorship – Ministry of Defence, Foreign Office), professorship for Wolfgang Ischinger (in Tübingen)
- common congresses with societies for military purposes (e.g., for military medicine and psychology)
- argument “basic research”

Direct influence of army on universities:
seminars POL&IS in courses of politology,
Summer School of Akademie der Bundeswehr
für Information und Kommunikation, University
of Cologne, September 2014, for students and
young researchers of humanities, with credit
points

Civil clauses movement needs:

- more efficient clauses
- control elements
- arguments
- better communication
- more partners (movement against army in schools, newly arising movement for conversion, trade unions, ...)

Trade unions:

Arguments: Workplaces; „security“

2013 press conference of DGB and Ministry of Defence >
common declaration about cooperation?

november 2013: “workshop” for unions and army

IG Metall: German export rules for arms; “responsibility of the federal government for the German arms industry”; “loss of national core competencies”, “loss of strategic capabilities”

(<>German arms to Iraq? – specialization inside the EU?)

- ? : military industry = 0.8% of all working people in Germany, 0.4% of the income of all German companies
- Chance for workplaces: conversion to civil production
- ? : state of the art and export of technologies!; role of German industry in international competition

>science sector!

By the way:

Dual Use <> CIMIC:

military products for police and security services: optronics, biochemistry, robotics, automation, ...

experience for arms production beginning in the civil sector since 1982 – funded by the Ministry of Research and Technology

- “Civil security technics” – 2007-2012 239 mln € from the Ministry of Education and Research for arms industry and scientific institutions
- > Unmanned (Ground/Aerial) Vehicles (drones)

?

DGB federal congress 2014:

- clear definition of Bundeswehr as intervention army
- support for movements against army in schools
- support for civil clauses (GEW proposition)
- common declaration >?>

Thank you very much
for your attention!

mannewitz@dfg-vk.de

