## Civvies for the American Military Economy?

s the cold war fades into history policy makers are beginning A work on trimming the military budget. But how easily can companies that serve the military convert their operations to civilian use? Seymour Melman, professor emeritus of industrial exemperine at Columbia University and chairman of the National Commission for Economic Conversion and Disarmament, and Lawrence Klein. Benjamin Franklin Professor of Economics at the University of Pennsylvania and a Nobel laureate, discussed the economic consequences of smaller military hudgets with Joel Kurtzman of

Q. Will companies that produce for the military be able to convert their factories to civillon use as the military budget is trimmed?

The New York Times.

Mr. Melman: Companies that supply the military are operating in a cost maximizing mode. Based on the avallable evidence, it is not prudent to assume that these same firms could satisfy the demand for civilian products. Military-industry managers have what Thorsten Veblen once Mr. Melman: There was a very imcalled a "trained incapacity." They can't function in a civilian market. They can't design products for the civilian consumer market like tape recorders, VCRs, etc.

Q. If these companies can't produce for the civilian market, then will cutbacks to the military mean more Imports and higher unemployment?

Mr. Klein: Not necessarily. Too lew military contractors that I know of **马克斯尼亚州西州南州北京州区安州南州北京** 

have been able to shift to civilian production. But some did. I did some computer work, for Instance, with Boeing Computer Services.

Mr. Melman: Pardon me, but were you referring to Boeing Computer Services as a military contractor?

Mr. Klein: No. 1: Is a civilian company. But it is a civilian alternative for Boeing after cutbooks in military

Mr. Melman: Ab but you see, this is a very important matter. We have to make some differentiations here. The larger companies typically have a variety of divisions, some servine the military and some serving the civilian sector. In the case of Boeing, the military contractors are notably different in their internal modus operandi from the civilian facilities Even the plants and management systems are different.

Q. Can't military managers learn from civilian managers?

portant attempt made by Boeing's Vertof division outside Phitadelphia. Boeing attempted to go from making helicopters for the military to producing electric trolleys, trams, light rail vehicles and subway cars.

It failed. The reason it failed is because Boeing did nothing but operate by methods that were well accepted on the military side. In fact, of the 80 or so engineers that worked on this project, all but upe had come out of military aerospace. The other engi-



military factory to a civilian one,

That's the planning time. That's well-

established. We also must change the

occupational skills of managers and

engineers and some production work-

ers. We have to train them into de-

signing for cost minimizing. We have

to train managers to deal with Scars,

Lawrence Klein, left, and Seymour Melman discuss how to wage a peace economy.

neers had no training in cost-mint- able breakdown rates. There was a

mizing design. They also operated in the standard Pentagon fashion called "concur-

rency," meaning they did the design, testing, evaluation and production all at the same time instead of dealine with each of these operations sequentially. As a result, the items they Mr. Melman: Preparation. produced and delivered to customers were not properly tested. One unfor- Q. What kind and over how long a tunate customer was the Massachussetts Bay Transportation Authority, The cars it received suffered from Mr. Melman: It takes two years to do

parade of lawsuits and then Boolng

abandoned the whole affair. O. What is required for a company to make a smooth transition from the military to civilian sector?

extreme unreliability and unaccept- serious blueprinting for changing a

Roebuck rather than with Pentagon divisions. That regulres, again, about a two-year period. Part-time particlpation in retraining work is a perfect-

ly concelvable.

overall if these actions were undertaken at the same time?

Mr. Melman: Yes, About two years.

Mr. Klein: It is not fust a question of retraining engineers. Retraining is important with military personnel trial economy with worse yet to



end of the estimate.

The military budget today is about Stee billion a year. If we implemented the Kennedy plan over a 10-year period and reduced the budget by 10 percent a year to just enough to supnort an international police force, we would save a total of about 51.5 tritlion over that period.

Mr. Klein: Well what's being talked about is not disarmament. There's talk of some disengagement, mutual arms reductions, stopping the cold war, stopping some of the arms race. But there is also talk about being ready for situations that may develop in other parts of the world. That's not disarmament.

O. Under the Kennedy plan, would these resources become available if

Mr. Klein: Another route to getting the resources would be to reduce capital costs in this country by getting interest rates down, which would come from a smaller budget deficit.

O. So it would take about two years Mr. Melman: That's one perspective.

and Japan. The United States has been made into a second-class indus-

aixn. Some of the suggestions that come. Mr. Klein: I don't seree with that at all. The United States has not become a second-class economy. Mr. Melman: I take it as a reasonable conclusion from a set of independently checkable phenomena - the phility to produce comparable products at a competitive price. Then there's the decay in quality of life. people, it's a disaster. Mr. Klein! That's anecdotal, it is true ica. It's true that we have a poor, very different picture depending on things.

have been made include demobilizing 100,000 troops - and that is the low

Mr. Melman: In April of 1962, Presidenr Kennedy announced a comprehensive plan for schieving general and complete disarmament in 10 years on a three-stage basis. It was formally submitted for negotiations. The proposals were never negotiated because of the Cuban missite crisis, and the ideas were out askle. But it was a serious formulation. The plan should be re-examined.

there were arms cutbacks?

Mr. Meiman: Yes.

Q. What have been the practical con- and on the whole, we can gain back sequences of these expenditures? . . . whatever we have lost.

all of American industry.

those machines - including such

things as airplanes, cannons, fee tories and so on - is somewha-

The United States and the Soviet Union have both suffered badly doby the owners. mestically in the course of the cold war. The probable economic winners

reade balance will improve - it has

of military spending?

ian spheres.

O. But won't those firms come back manufacturers show a definite, per of the cold war are West Germany once it's attractive again for them to sistent and large decline in producrelocate in the United States? Isn't tion capacity, Now, that can't be rethat what capitalism is about? produced in a day.

> Mr. Malman: One crucial point here. Mr. Klein: Of course not in a day, Bu If this decay proceeds to the point the way in which certain nations at: where there is no longer a capacity to into a position of pre-eminence is design and manufacture products, certain markets is through their rein tively low military burden and th

there's no comine back. We snoke earlier of Boelns and its devotion of their own forces to civil attempt to make electric trolleys, jan business. That will come if we cu Pleaser trolleys and electric trans- back here. But it could take one of portation are now in increasing de- two decades. mand in the United States. But the cities and states looking for these goods are looking abroad because You have only to walk out of into the there are no factories in the United screets of New York to see the ev: States. One example: the locomotives dense of it; broken streets, broken on the Amirak line are made in Swe den. Where are electric locomotives being made in the United States? ...

that there's homelessness in Amer. Mr. Klein: That's only temporary

degrated infrastructure. But, if you Mr. Melman: But soon there won't travel all over America, you get a be any labor force to make those

where you are, what a ground is thus; We have spent less relative to some Mr. Klein: The labor force changes in other nations, but we have gained in the sense that people can be trained. the last three or four years and we But things are becoming much more will probably continue to gain. Our automated.

Mr. Meiman: A number of states improved. It will continue to improve. We will eventually get down the budg- are now asking for bids for making high-speed rail transportation: Tex-There is much to be done, but I as, Florida, California. But the bids think it is highly premature to say are all coming from West Germany



more than 40 percent of the money and Japan because they have a comvalue of all the machinery field by petent staff and the facilities to produce high-speed electric power.

That means that the 6 to 7 percent of gross national product spent of Mr. Klein: Things change in the the military each year has had a set world. We don't live in a static world. of current and cumulative effects And we're moving ahead, we're movthat weigh heavily on the compe- ing ahead in some lines. We're falling tence of the industrial system as a back in others. But on the whole, we're not losing ground. That is, on the whole, we're not a No. 2 nation.

Mr. Melmans A major part of Ameri- Mr. Melman: If your baseline is the can industry has disappeared from competence of the basic capital goods the Unsted States. It was put abroad producing industries of the United States, then the data of the last de carle as now reported in the census of