Strikes in Steel Belt US Military Industry, 1966

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What effect did the Vietnam War have on labor relations within the US Military Industrial Complex?

From 1962 to 1965, the Labor Relations staff attached to US Army Mobility Command (MOCOM), based at the Detroit Tank Arsenal in Warren, Michigan, kept scattered, mostly handwritten records of the few dozen work stoppages that military contractors were required to report. Then, in 1966, strike activity inside military contractors plants exploded, producing enough reports - now standardized through a special form label DD-1507: Work Stoppage Report - to fill an entire US National Archives FRC box.

The picture found in DTA Labor Relations staff records stands in sharp contrast to existing official statistics on labor militancy in the defense industry. Under "Ordnance and accessories" (read: military industry), the Bureau of Labor Statistics (BLS) Work Stoppage Analysis for the year 1966 counts only thirteen strikes involving 8680 workers who idled for a total of 62,500 days. The documents analyzed in this data, which were generated by the Labor Relations staff at the Detroit Tank Arsenal (DTA) in that same year, tell a very different story: almost ten times as many strikes in military industrial plants, involving over five times as many workers, who cost their employers at least 790,000 worker-days.

These DTA records provide only a partial scan of the whole body of military industry in the year 1966. DTA Labor Relations staff reporting on work stoppages focused almost exclusively on contracts overseen by the staff's parent agency, MOCOM. We rarely glimpse occurrences of labor unrest affecting contracts overseen by other Army commands, much less other branches of the US military. That said, MOCOM oversaw contracts for a number of big-ticket conventional hardware, like the M60 tank, the M109 self-propelled howitzer, and M110 armored personnel carrier, as well as many smaller but still important items, like trucks, shop vans, and the small horse-power engines used as generators to run AC in tropical Southeast Asia. This scan may be incomplete, but it captures vital organs of military industry, and its gaps merely point beyond itself to an even wider discrepancy between BLS data and the actual reality of shopfloor conflicts brought to boil by the intensification of US military involvement in the Vietnam War. The total number of strikes, strikers, and production days lost likely to be much higher than what is recorded in this document.

The stakes of this discrepancy between BLS data and DTA records are much deeper than simple accurate account; it matters for our understanding of how the United States' long, brutal, and industrially intense war in Southeast Asia shaped political-economic and social relations on its own soil. We know that the United States turned Southeast Asia into the most bombed region on the planet, dropping more bombs at a faster rate, than it used across all theatres of the Second World War. But we do not yet know enough about how all this materiel was made, who made it, and what effects its production had on social reality during a disavowed war with a disavowed home front.

Nota Bene: The purpose of this document is to serve as a heuristic for guiding research questions and in-depth qualitative investigation. It is neither a formal preview of a finished research project nor even a prospectus for a regimented quantitative analysis.

Table 6. Work Stoppages by Industry Group, 1966

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Stoppages extending into 2 industry groups or more have been counted in each industry affected; workers involved and man-days idle were allocated to the respective groups.
 Excludes government and agriculture.
 Not available.
 Less than 0.005 percent.

NOTE: Because of rounding, sums of individual items may not equal totals.

Figure 1: BLS Work Stoppages Analyis, 1966 (p. 9)

Summary Statistics DTA Labor Relations Records, 1966

Table 1: Strike events by type

Туре	count
authorized strike	75
potential strike (averted)	7
wildcat strike	21

Table 2: Summary stats for Actual Strikes (Authorized + Wildcat)

Total Strikes	96
Total Strikers	49,052
Worker-Days Lost	789,992

Table 3: Workers on Strike

Minimum Strikers	3
Maximum Strikers	5200
Mean Strikers	831
Median Strikers	320
Standard Deviation	1108

Table 4: Strike Length

Mean Strike Length	26
Median Length	13
Minimum Strike Length	1
Maximum Strike Length	183

Table 5: Work-Days Lost

Minimum Worker-Days Lost	3
Maximum Worker-Days Lost	78000
Mean Worker-Days Lost	14107
Median Worker-Days Lost	8050
Average Percentage of Worker-Time Lost	7

Table 6: Estimated Percentage of Production Time Lost by Military Contractors in Data

6.795091

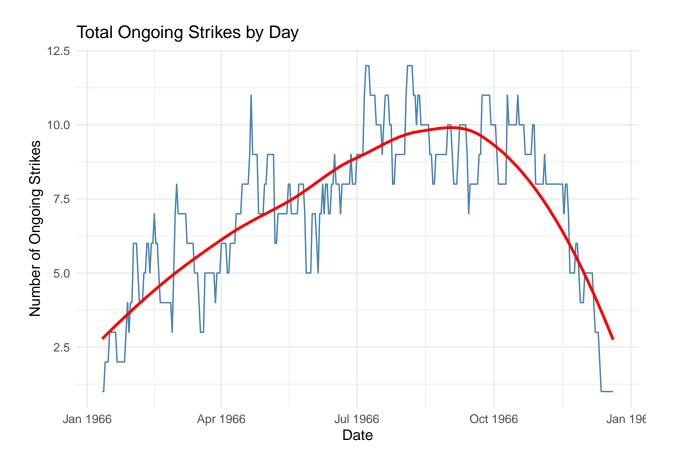
How the above value is calculated: ((sum of days lost to all strikes) / [(sum of all contractors) * 365)])*100. This slightly over estimates percentage of productivity days lost because it double counts a small number of factories that featured multiple strikes and assumes that every factory operated 365 days a year.

Strikes and Strikers Over Time

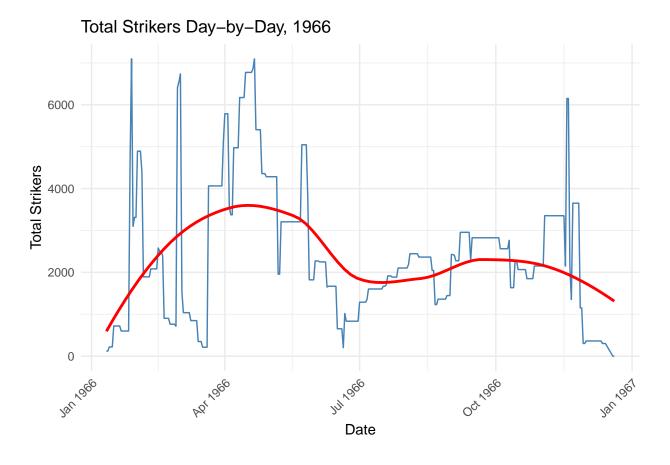
Table 7: Total Strikes and Total Strikers by Month, 1966

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Strikes	6	9	10	10	6	12	10	7	8	8	7	3
Total Strikers	7433	8020	6574	5732	3089	1468	1433	623	2360	2452	9808	60

'geom_smooth()' using formula = 'y ~ x'



'geom_smooth()' using formula = 'y ~ x'



Geography of Military Industry Strikes in DTA Records, 1966

Two of the following maps have interactive features when viewed as stand-alone HTML documents. Click on a marker to reveal specific information about a strike. Please note, these interactive functions are not available when the maps are viewed as part of the larger document.

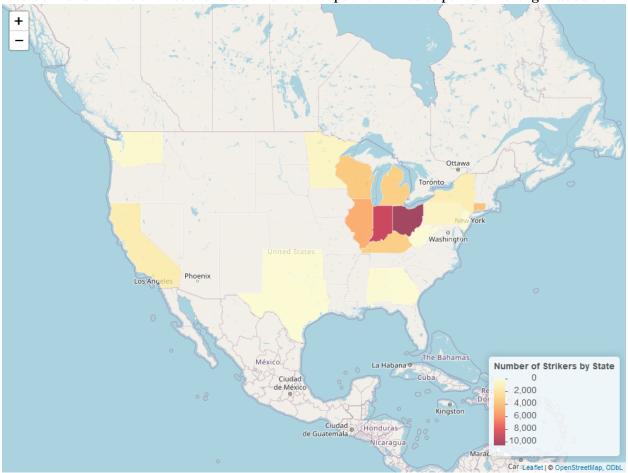
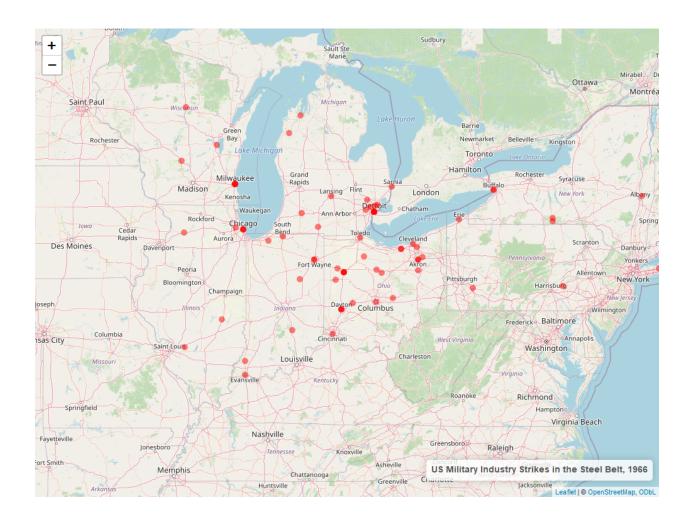


Table 8: States by frequency

state	frequency
Ohio	26
Michigan	17
Indiana	9
Wisconsin	8
Illinois	7
California	6
Pennsylvania	3
Alabama	2
Connecticut	2
Kentucky	2
Minnesota	2
Oklahoma	2
Georgia	1
Massachusetts	1
Michicagn	1
Texas	1
Washington	1





What cities are in the data?

Table 9: Top 5 Cities by Frequency of Strikes

City	Number of Strikes	Total Strikers
Detroit, Michigan	4	350
Lima, Ohio	4	2029
Milwaukee, Wisconsin	4	1700
Dayton, Ohio	3	600
Akron, Ohio	2	1600

Table 10: Top 5 Cities by Striking Employees

City	Number of Strikes	Total Strikers
Detroit, Michigan	4	350
Lima, Ohio	4	2029
Milwaukee, Wisconsin	4	1700
Dayton, Ohio	3	600
Akron, Ohio	2	1600

Table 11: Frequency Distribution of Number of Strikes

Number of Strikes	Frequency
4	3
3	1
2	6
1	68

Table 12: All Cities, Arranged by Number of Strikes

City	Number of Strikes	Total Strikers
Detroit, Michigan	4	350
Lima, Ohio	4	2029
Milwaukee, Wisconsin	4	1700
Dayton, Ohio	3	600
Akron, Ohio	2	1600
Buffalo, New York	2	150
Chicago, Illinois	2	1713
Elyria, Ohio	2	0
Fort Wayne, Indiana	2	1065
San Jose, California	2	1219
Alameda, California	1	3
Anniston, Alabama	1	65
Belioit, Wisconsin	1	1200
Bucyrus, Ohio	1	0
Buffton, Indiana	1	190
California	1	0

City	Number of Strikes	Total Strikers
Carrollton, Texas	1	0
Charleston, West Virginia	1	0
Cincinnati, Ohio	1	135
Claremont, California	1	100
Cleveland, Ohio	1	0
Coldwater, Michigan	1	217
Columbus, Indiana	1	5200
Columbus, Ohio	1	1350
Delphos, Ohio	1	210
Elba, Alabama	1	0
Elmira, New York	1	0
Erie, Pennsylvania	1	0
Evansville, Indiana	1	500
Fostoria, Ohio	1	0
Fullerton, California	1	0
Galion, Ohio	1	200
Galion, Ohio & Bucyrus, Ohio	1	500
Hayward, California	1	134
· ·		
Highland, Illinois	1	1200
Horseheads, New York	1	1200
Jeannette, Pennsylvania	1	190
Kalamazoo, Michigan	1	1130
Kent, Ohio	1	550
LaPorte, Indiana	1	0
Lansing, Michigan	1	120
Lebanon, Pennsylvania	1	500
Livonia, Michigan	1	22
Long Island, New York	1	30
Louisille, Kentucky	1	3400
Louisville, Kentucky	1	0
Lynn, Massachusetts & Everett, Massachusetts	1	0
Manistee, Michigan	1	320
Marion, Indiana	1	1839
Massillon, Ohio	1	0
Mattoon, Illinois	1	302
Minneapolis, Minnesota	1	675
Musekgon, Michigan	1	0
New Haven, Connecticut	1	0
Newark, Ohio	1	2500
Northlake, Illinois	1	2105
Oak Park, Michigan	1	50
Oshkosh, Wisconsin	1	0
Pontiac, Michigan	1	0
Port Huron, Michigan	1	0
Princeton, Indiana	1	451
Renton, Washington	1	184
Rock Falls, Illinois	1	262
Roseville, Michigan	1	0
South Bend, Indiana	1	0
Springfield, Ohio	1	217
St Marys, Ohio	1	0
St Paul, Minnesota	1	0

City	Number of Strikes	Total Strikers
Sterling, Michicagn	1	2500
Stratford, Connecticut	1	4000
Toledo, Ohio	1	80
Traverse City, Michigan	1	135
Troy, New York	1	0
Tulsa, Oklahoma	1	0
Van Dalia, Ohio	1	0
Warren, Michigan	1	1100
Wausau, Wisconsin	1	680
Wisconsin Dells, Wisconsin	1	80

• Note: A value of 0 indicates that a strike occurred by DTA labor relations staff did not record the total number of employees involved in a work stoppage

To Do:

- continue cleaning up data manually
- clean up cities
- clean up state column