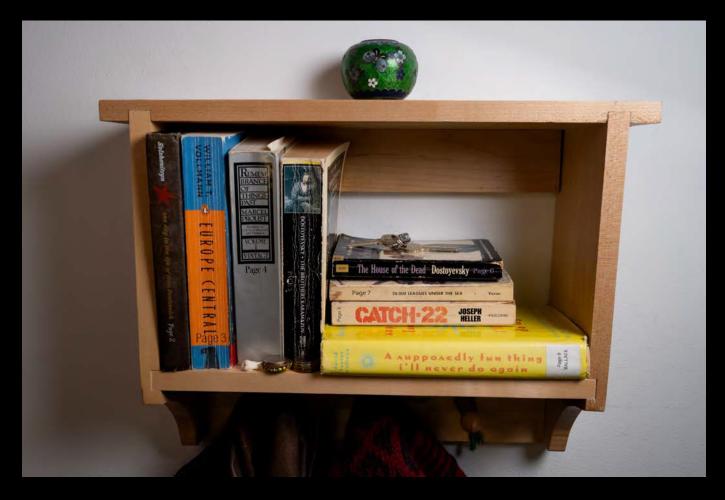
#### Photomacrographic analysis of used books:

Revealing damages on used books with high mag photography

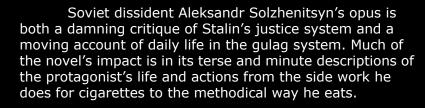
By: Charlie Gray

The books featured in this paper were put into my hands through providence. Many were recovered in used book stores, more came from library book sales and at least one was borrowed and never returned. The purpose of this paper is to investigate and summarize the damages wrought on the books with the aid of high magnification photography to gain a better understanding of the paths they've taken and owners they've had. I picked these 8 books because I felt they presented a diverse selection of damages, binding styles and sizes.

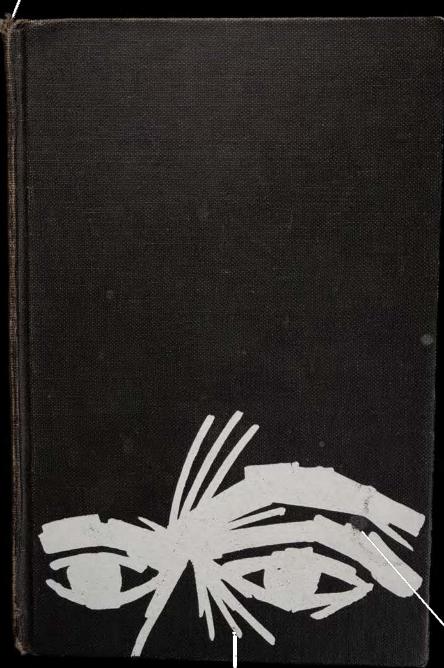


## One Day in the life of Ivan Denisovich

By:Aleksandr Solzhenitsyn







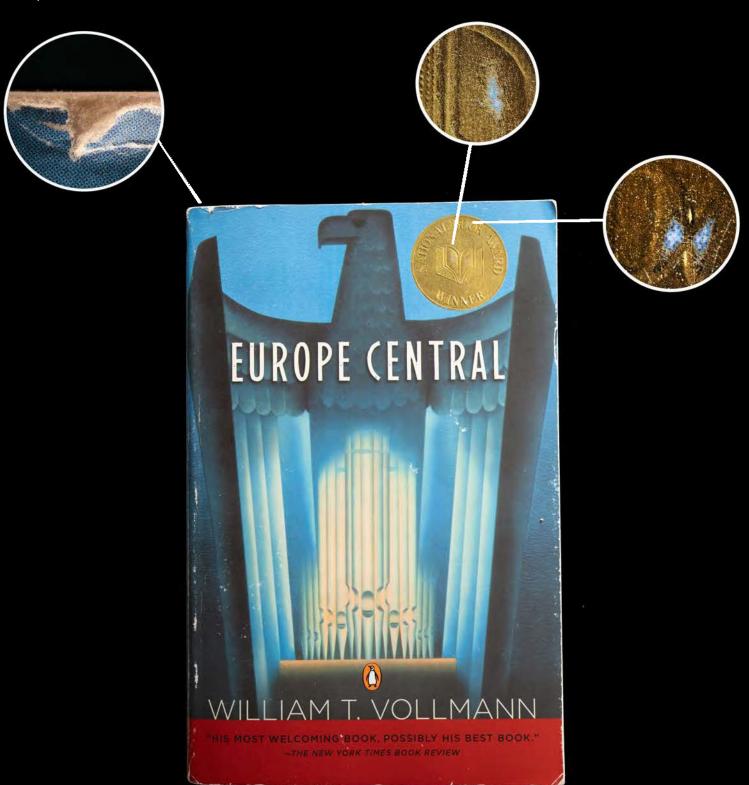
This hardcover copy is showing scratches (bottom left) and smudges (bottom right) from heavy reading in a Vermont rainstorm as well as fraying on the corners (top left) sustained before it made its way to the used bookstore where I bought it.



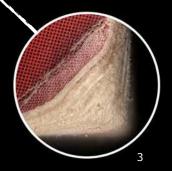


# Europe Central

By William T. Vollmann



In this extensively researched novel, William T. Vollman set out to write parables from the eastern front in WWII. Each of the shorts within the book paints a character caught in between the power dynamics of Nazi Germany and Stalinist Russia making an all consuming moral choice. The incredibly dense novel shows the wear from several successive readers pulling it through their busy lives as they struggle to finish it. The National Book Award seal at the top right is scratched (top right), the cover is cut in several places (top left) and all the corners are bruised (bottom right).

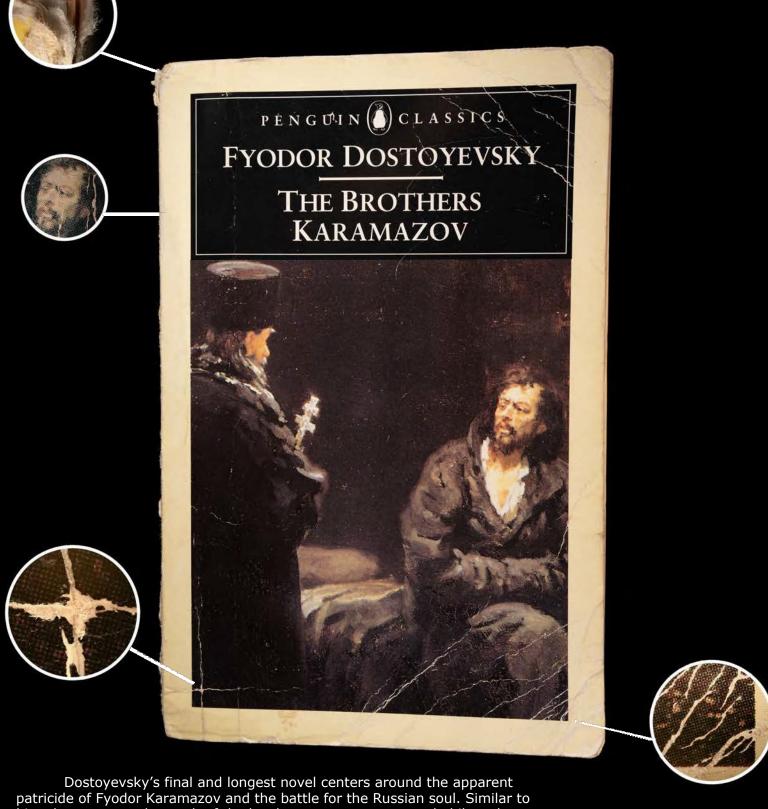


#### Remembrance of Things Past Volume 1



#### The Brothers Karamazov

By: Fyodor Dostoyevsky

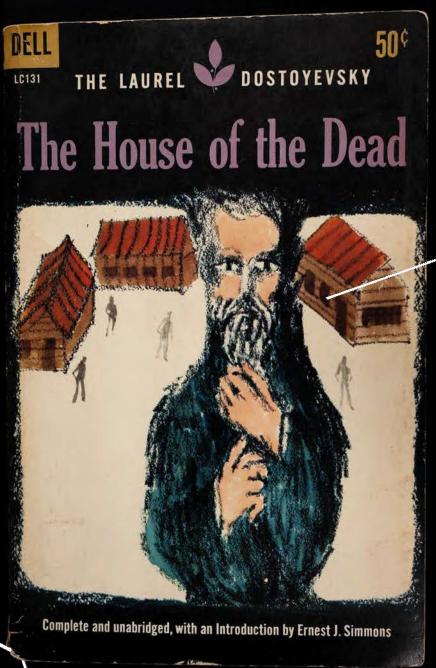


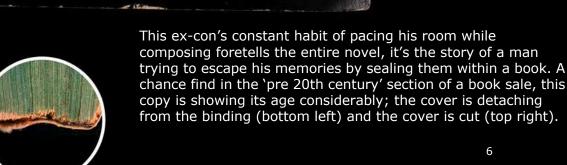
patricide of Fyodor Karamazov and the battle for the Russian soul. Similar to his other great works, each of the brothers represents a moral philosophy that Dostoyevsky tables for discussion. Published four months before its author's death, the misdeeds, wanderings and debates of the brothers immortalize his final messages regarding faith, freedom and the future of Russia. This copy was lugged around in a backpack for my reading of its 880 pages and in the process the spine was wrinkled (left) and frayed (top left) as well as significant wrinkles on the cover (bottom left & right).

### The House of the Dead

By: Fyodor Dostoyevsky

Dostoyevsky's fictionalized account of his experiences in a tsarist gulag stands out from his oeuvre as a shorter novel less focused on philosophical argument; it is considered by Tolstoy to be his greatest work. The novel's framing device claims that the enclosed story was found in the personal effects of a dead ex-con who remained in Siberia to tutor after serving his term.

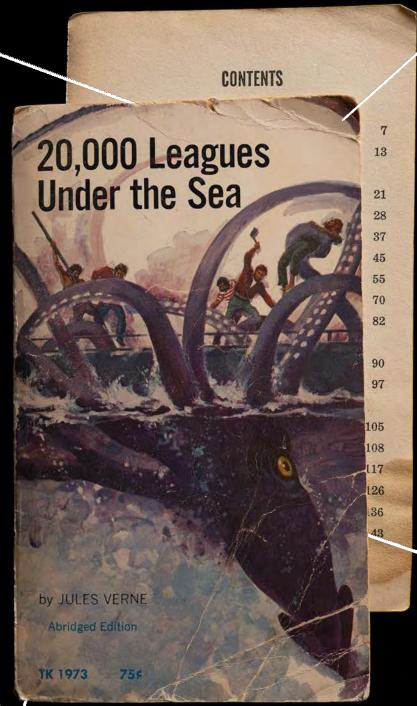




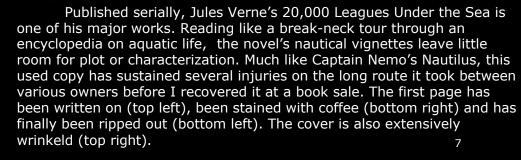
# 20,000 Leagues Under the Sea

By: Jules Verne





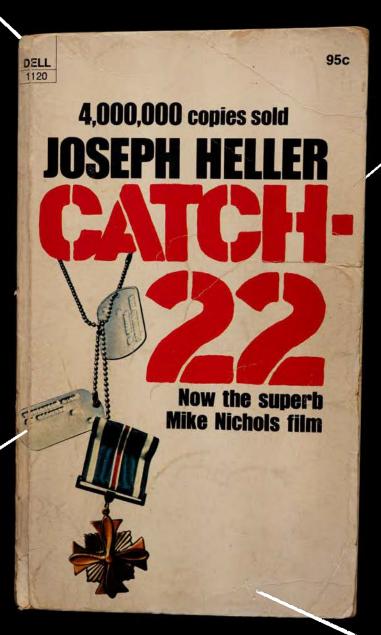


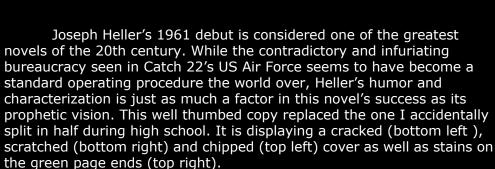


### Catch 22

By: Joseph Heller









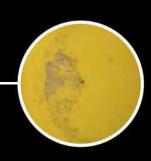
## A supposedly fun thing I'll never do again

By: David Foster Wallace



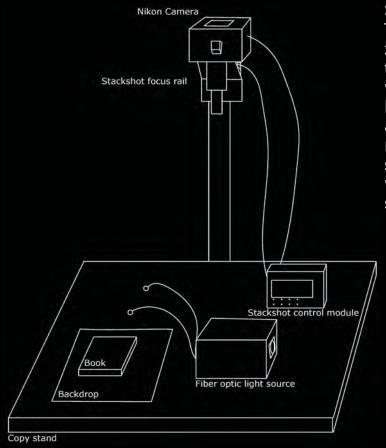
This collection of short nonfiction pieces by the infamous David Foster Wallace presents a deconstructed memoir of the writer at a pivotal point in his career. Written in parallel with his monumental Infinite Jest, the collection shows the evolution of Wallace's style towards complexity while providing the reader with myriad anecdotes of the his Midwestern upbringing. The mustard yellow copy pictured here started life as a public library copy before it was sent to the book sale where my parents picked it up. Along the way the second half of the book has nearly slipped from its binding (center bottom) as the dust jacket (bottom left) and hardcover (top left) have been victimized by untold numbers of uncaring hands. This copy is also bearing stains (bottom right).











#### Shooting information:

The macro images were shot on a Nikon z 7ii with a Lowa 2.5-5x lens mounted to a StackShot focus rail. The subjects were illuminated with dual fiber optic lights against a black velvet background and placed on a copy stand. The non-magnified pictures were taken on the same camera with the same background with two diffuse lights from a studio stand.

#### About the author:

Charlie Gray is currently a senior at the Rochester Institute of Technology pursuing a degree in scientific photography with a minor in literature and media. He's passionate about books and hiking and hopes you've enjoyed this paper.

For further questions please contact at: gray.d.charles@gmail.com

