

Article

Creative Activities in the Terezín Ghetto: A Case of Boys from Heim L417

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Abstract: This study focuses on the exceptional cultural and mental activities of boys interned in the Terezín ghetto during World War II, specifically through their secret magazine *Vedem*. Created within the L417 home, the magazine served as a space for literary, artistic, and philosophical self-reflection. Through poems, fairy tales, essays, and drawings, the young authors expressed their longing for freedom, the loss of home, reflections on the meaning of human existence, as well as depictions of everyday life in the ghetto - often infused with irony and humor. The study demonstrates that these creative activities had fundamental therapeutic, existential, and community-cultural value: they helped the boys preserve their human dignity, reinforced their identities, and allowed them to escape into the world of imagination. At the same time, *Vedem* functioned as a form of spiritual resistance to Nazi oppression and dehumanization. The magazine thus becomes more than just a historical document - it stands as proof that even under the extreme conditions of genocide, children are capable of creative expression, critical thought, and resistance through language and culture. Moreover, the study highlights the universal significance of children's creativity in extreme historical situations, where cultural production becomes a means of survival, solidarity, and humanity.

Keywords: Children's Creativity; Terezín; *Vedem*; Cultural Resistance; Holocaust Experience

1. Introduction

The main aim of the paper is to point out the role of art and other creative activities that took place secretly behind the walls of the Terezín ghetto during World War II. In this study, we base our work on the content of the magazine *Vedem*, which was secretly published by boys who were interned in the L417 ghetto and for whom this magazine served as a space for reflection and self-reflection on the situation in which they found themselves due to the activities of members and representatives of Nazi Germany.

In the paper, we provide answers to three research questions:

1. What creative activities were published in the magazine *Vedem*?
2. What significance did creative activities have for the inner world of the contributors to the magazine *Vedem*?
3. What main themes are reflected in the creative activities?

We are convinced that the answers to these questions can in a certain way provide insight into one line of creative activities that were implemented behind the walls of the Terezín ghetto and that had a certain therapeutic effect not only for their authors. This therapeutic function can be interpreted through various psychotherapeutic lenses, especially depth psychology or narrative therapy, which help articulate trauma and restore identity.

2. About the Vedem Magazine

The journal *Vedem*, produced in the Terezín ghetto, represents a unique cultural artifact from the Holocaust period, reflecting the resilience and creativity of its young Jewish authors. Terezín, or Theresienstadt, was a Nazi concentration camp that housed many notable artists and intellectuals, who were forced to create propaganda by day but engaged in clandestine cultural activities by night. The camp was notorious for its use as a propaganda tool, showcasing a façade of cultural vibrancy to deceive international observers, including the Red Cross [1]. Despite the oppressive environment, the camp's inmates, including children, engaged in various forms of cultural expression, which served as a form of spiritual resistance and a means of psychological survival [2]. *Vedem* is considered the only known structured, long-term, and youth-led magazine produced within a Nazi concentration camp, distinguishing it from other sporadic or adult-led creative efforts.

Vedem, a magazine-style publication, was part of this cultural life, providing a platform for the voices of young inmates to document their experiences and express their thoughts through essays, poems, and illustrations [3]. This publication is a testament to the camp's vibrant cultural life, which included music, theatre, and art, all of which were officially permitted by the Nazis but served as a crucial outlet for the prisoners' creativity and resilience [2].

Peschel (2016) underlines that the cultural activities in Terezín [4], including the production of *Vedem*, were not only acts of defiance but also essential for maintaining a sense of community and identity among the prisoners, helping them to cope with the trauma of their circumstances. Frenk (2013) concludes that the legacy of *Vedem* and the broader cultural life in Terezín highlights the complex interplay between oppression and resistance [5], illustrating how art and culture can serve as powerful tools for survival and memory in the face of unimaginable adversity.

The historical significance of the *Vedem* magazine during World War II can be understood through its role as a form of resistance and cultural preservation amidst the oppressive conditions of the Holocaust. *Vedem* was a clandestine magazine created by Jewish boys in the Terezín concentration camp, serving as a testament to the resilience and creativity of its young editors. This aligns with the broader theme of resistance seen in other contexts, such as the partisan movements on the Eastern Front, which organized against Nazi forces despite severe repression [6].

Vedem, like these avant-garde efforts, was a form of intellectual and cultural defiance, preserving the voices and experiences of its contributors against the backdrop of war and genocide. The magazine's existence highlights the importance of media as a tool for resistance, identity preservation, and historical documentation, much like the role of other periodicals that sought to combat discrimination and promote cultural narratives during tumultuous times [7, 8]. Thus, *Vedem*'s significance lies in its embodiment of youthful defiance and its contribution to the historical record of Jewish life and resistance during the Holocaust.

3. Creative Activities in Vedem Magazine

The magazine *Vedem*, published in the Terezín ghetto, was a remarkable testament to the creative resilience of its young contributors amidst the harrowing conditions of the Holocaust. *Vedem*, which means *We Lead* in Czech, was a weekly magazine created by a group of boys aged 12 to 15 who lived in the ghetto's Home One, or L417. The magazine featured a wide array of creative activities, including essays, poems, stories, and illustrations, reflecting the diverse talents and intellectual curiosity of its contributors. These young writers and artists used *Vedem* as a platform to express their thoughts, emotions, and observations about life in the ghetto, often with a surprising degree of maturity and insight.

The content of *Vedem* was not only a form of intellectual resistance but also a means of psychological survival, providing the boys with a sense of purpose and a way to maintain their identity and humanity in the face of dehumanizing conditions. The magazine's existence is a poignant example of how cultural and intellectual activities in Terezín served as a form of spiritual resistance, allowing inmates to create a semblance of normalcy and community despite the oppressive environment. This creative output was part of a broader cultural life in Terezín, which included music, theatre, and lectures, all of which were officially sanctioned by the Nazis for propaganda purposes but also served as vital outlets for the prisoners' resilience and hope [1, 9–11].

4. Results and Discussion

In this part of the article, we present a summary of creative activities that were published in the magazine *Vedem*. Please note that this is not a complete list, but a generalization of the types of work that are part of this

magazine. At the same time, we relate these thematic areas to the meaning they could have had for their authors, primarily the boys interned in the L417 camp.

4.1. Literary Creation as an Act of Memory and Hope

Many poems, short stories, and fairy tales published in *Vedem* carried strongly symbolic motifs – freedom, returning home, justice, or the victory of good over evil. For example:

Hanuš Hachenburg, one of the most talented authors, wrote existentially oriented poems (*My Home* or *War Motif*) that reflected loss, but also resistance to dehumanization.

Fairy tales like *The Magic Flower* or *The Secret of the Old House* functioned as an escape into the inner world of fantasy – in them, the authors created an alternative reality where goodness and hope existed.

However, this stands in contrast to traditional European fairy tales, such as those by the Brothers Grimm, where evil often triumphs or serves to instill fear in children. For instance, in *Little Red Riding Hood*, the protagonist is devoured by the wolf. In *Hansel and Gretel*, themes of abandonment and cannibalism prevail. In *The Robber Bridegroom*, murder and violence dominate. The *Vedem* tales thus offer a remarkable moral reorientation toward hope, justice, and imaginative escape.

For the authors, it was an opportunity to verbalize traumas and give shape to unnameable sadness. Creation helped to process the experience of losing home, family, childhood, and the future. At the same time, it maintained identity, individuality, and the ability to imagine, which was a form of resistance to the Nazi ideology that sought to destroy these values. The symbolic motifs of freedom, returning home, justice, and the victory of good over evil in the works published in *Vedem* resonate with broader literary and historical contexts. The motif of returning home reflects a longing for an idyllic past and a struggle with the changes in one's homeland, which parallels the experiences of loss and resistance depicted in *Vedem's* works [12].

The representation of home in the literature of Russian émigré writers, such as Rodion Berezov, underscores a tragic sense of disconnection and nostalgia, mirroring the emotional landscapes of *Vedem's* authors who grappled with the loss of home and identity [13].

Fairy tales, as a medium for processing trauma, are particularly significant in the context of the Holocaust, where they serve to recontextualize and make sense of horrific experiences, as seen in the works of authors like Jane Yolen and Zofia Posmysz [14].

These narratives provide an escape into fantasy, offering hope and a sense of justice, much like the fairy tales in *Vedem* that created alternative realities where goodness prevailed. The ethical and philosophical dimensions of fairy tales highlight their role in shaping moral and social values, which aligns with *Vedem's* use of literature as a form of resistance against dehumanization [15].

Conrad (2017) concludes that the adaptation of fairy tales to address contemporary issues [16], such as those seen in the Americanization of wartime experiences, illustrates the enduring power of these narratives to convey complex emotions and societal critiques.

4.2. News and Feuilletons as Collective Reflection

The column *From Home Life* brought records of everyday events, humorous glosses and comments. The text *A Trip to Potatoes* ironized the lack of food and physical exertion with linguistic playfulness. Other contributions described the characters of educators, work schedules, cultural events – often with a critical or sarcastic subtext.

This type of work strengthened community identity – it showed that even in ghetto conditions it was possible to have a cultural, critical and humorous dialogue. Feuilletons allowed authors to maintain control over the narrative of their own lives, thereby disrupting the propaganda discourse of the ghetto as a *model Jewish settlement*.

The use of humour in domestic settings, as discussed by Fritzer & Bland (2002) [12], highlights how humourists have historically used domestic life as a canvas to critique and reflect on societal norms, often with a critical or sarcastic subtext. This mirrors the function of feuilletons in the ghetto, which allowed authors to maintain control over their narratives and challenge prevailing propaganda. Similarly, the exploration of everyday life and vernacular practices by Abrahams underscores the significance of seemingly trivial events in shaping cultural and community identity, suggesting that even under oppressive conditions, cultural dialogue can thrive through everyday practices [17].

According to Horowitz [18], the role of everyday writing in organizing and reflecting daily life emphasizes the

power of routine writing to capture and influence the lived experiences of individuals and communities.

4.3. Essays and Philosophical Reflections as a Search for Meaning

Among the preserved texts, there are also very profound essays with topics such as *On Eternity*, *Why Do People War?*, *The World of the Future*. The authors here ask fundamental questions about humanity, evil, death, but also about the hope for a more just world after the war. Against the backdrop of catastrophic reality, they try to find moral order and existential meaning.

This work was an attempt at intellectual survival, at the articulation of values that could not be realized externally. It was a form of resistance of reason against the meaninglessness of evil, which at the same time helped to preserve faith in the future.

These works serve as a form of intellectual survival and resistance against the meaninglessness of evil, aiming to preserve hope for a more just world post-war. Walter Benjamin's allegory of history as an apocalyptic tempest and the philosophical reflections following World War II underscore the need for a new moral order in the face of historical catastrophes like the Holocaust and the atomic bomb, which challenged existing theodicies and demanded a re-evaluation of Western thought. The existential crisis posed by such catastrophic events necessitates reflection, self-determination, and communication as essential conditions for human existence, as argued by Langans (2023) [19], who emphasizes the importance of large trans-historical programs in philosophy and other fields to navigate these crises.

Colebrook (2017) highlights the shift in temporal perception in the Anthropocene [20], urging a balance between recognizing human agency and considering a temporality beyond human concerns, which is crucial for understanding the future in the context of climate change. The existentialist conceptions of war, as explored by Hanzel (2022), provide a forgotten yet valuable perspective on the nature of war, emphasizing the complexity and varied interpretations of conflict throughout history.

The war's impact on beliefs about immortality, as discussed by Hayes (1919) [21], reveals a shift towards spiritual values and a renewed openness to the idea of life beyond death, challenging the agnostic views that prevailed before the war. Phillips' exploration (2018) of apocalyptic practices and theological virtue suggests that ancient apocalyptic texts [22], rather than devaluing history, offer a framework for resistance and hope, aligning with the essays' intent to find meaning amidst chaos. The catastrophic events of the 20th and 21st centuries, as described by Beilin & Zheltoborodov (2024), have created a tragic moral atmosphere [3], necessitating a re-evaluation of values and norms to cope with the pervasive socio-psychological tension.

4.4. Artistic Contributions as Visual Imagination of Freedom

Vedem included hand-drawn caricatures and comics, drawings from nature, etc., Petr Ginz's *Moonscape* (see **Appendix A Figure A1**) depicting the view of the *Earth from the Moon* - today a symbol of the dream of knowledge interrupted by the Holocaust.

Ginz's *Moonscape* shows Earth from the Moon – a sublime, distant, almost Romantic view that simultaneously evokes isolation and cosmic escape. For a child in the camp, this image can symbolize emotional distance, intellectual freedom, and a dissociative mastery of trauma. The drawing allows the artist to

- (1) miniaturize the traumatic world,
- (2) assert symbolic authorship,
- (3) represent the horror of Earth,
- (4) dream of escape.

Interestingly, the jagged mountain ridges in the landscape also resemble the open jaws of wolves, evoking a sense of threat and ambivalence that enhances the haunting, symbolic power of the image.

Artistic creation allowed the authors to depict what could not be expressed in words - the desire for space, for movement, for home. Visual imagination overcame the limited space of the ghetto and transformed it into a universe of intellectual freedom.

These artworks, including Petr Ginz's *Moonscape*, which depicts the Earth from the Moon, symbolize the yearning for knowledge and freedom that was brutally interrupted by the Holocaust. The drawings from Terezin, analysed through Haring's CID method, reveal a liminal space where children navigated between dream and reality, express-

ing emotions like despair and hope, and showcasing resilience and intuitive knowledge [23]. The visual concept also recalls the aesthetics of German Romanticism, especially Caspar David Friedrich, whose moonlit landscapes conveyed emotional distance, solitude, and symbolic depth - qualities that resonate with Ginz's vision.

The role of comics during this period highlights their dual function as historical testimonies and cultural records, bridging the gap between reality and representation [9]. The visual arts, including comics and drawings, allowed for a unique exploration of the Holocaust's impact, providing a narrative that transcended the physical confines of ghettos and camps, transforming them into spaces of intellectual and emotional freedom [24]. This artistic expression was not limited to children; artists in ghettos, such as those in Bialystok, also engaged in creating art under oppressive conditions, often producing works that were later distributed across occupied Europe [25]. The broader context of Holocaust art, as seen in the collections of institutions like the Imperial War Museum, underscores the historical and cultural significance of these works, which have only recently been recognized as vital components of Holocaust studies [26].

Knapczyk (2024) or Stargardt (2005) conclude that these artistic endeavours [27, 28], whether through drawings, comics, or other visual forms, provided a means for individuals to process trauma, articulate their experiences, and maintain a sense of identity and hope amidst the horrors of the Holocaust.

4.5. Humour, Parody, and Linguistic Playfulness as Psychological Defence

Visual humour, such as caricatures or ironic sketches, also contributed to this artistic resistance. This mirrors long-standing traditions from William Hogarth's 18th-century satires to Japanese *Chōjū-giga* scrolls, where animals parody human behaviour. Such works offered both critique and emotional release.

Many contributions show linguistic creativity, puns, absurd skits, and sometimes even parodies of Nazi rhetoric or domestic life. Humour was a defence mechanism that helped overcome helplessness. It offered moments of laughter, release, self-ironic perspective – thereby undermining the power pressure of the totalitarian system. For the boys, it was a survival strategy through language and laughter.

Oring (2016) states that humour, particularly in the form of linguistic creativity, has long served as a defence mechanism against the oppressive forces of totalitarian regimes, offering a means of psychological relief and resistance [25]. Under such regimes, humour becomes a risky yet powerful tool, as evidenced by historical instances where individuals faced severe repercussions for their jokes, such as the execution of Josef Muller in Nazi Germany for a satirical remark about Hitler and Goering. Despite the dangers, Banu & Gunasekaran (2025) state that humour persists as a form of subversion [2], allowing individuals to undermine the authority of oppressive systems through laughter and irony. This is particularly evident in the use of linguistic humour, which employs techniques like wordplay, satire, and parody to create a disconnect between reality and its exaggerated counterpart.

Such humour not only provides moments of laughter and release but also fosters a self-ironic perspective that can diminish the perceived power of authoritarian rule. In digital contexts, humour continues to thrive, with platforms like Facebook and Twitter serving as spaces for creative linguistic expression, where users employ humour to construct personal narratives and perform identity, often through self-deprecation and playful language [29, 30]. This aligns with the broader understanding of humour as a linguistic and rhetorical tool that operates across various levels of language, from phonology to discourse, and serves to challenge social norms and expectations [30].

5. Conclusions

The present study has highlighted the remarkable scope and depth of creative expression among the boys interned in the Terezín ghetto, as exemplified by the magazine *Vedem*. Far from being a marginal or incidental activity, the creation and curation of literary, visual, and philosophical content served a crucial function in helping these young individuals preserve a sense of identity, humanity, and agency under conditions of extreme oppression.

The creative activities described—ranging from allegorical poems and escape-themed fairy tales to feuilletons, essays, caricatures, and satirical sketches—demonstrate how the boys constructed an alternative cultural space within the walls of the ghetto. This space allowed them to process trauma, assert intellectual autonomy, and articulate moral frameworks in defiance of the dehumanizing reality surrounding them. The act of writing and drawing became a powerful tool of spiritual resistance, enabling them to assert that they were not mere victims, but thinking and feeling individuals capable of reflection, humour, critique, and hope.

What emerges from *Vedem* is not simply a record of creative output, but a historical testimony of resilience, a document of lived experience in the face of genocidal policy. Its contributors used cultural production not only as a psychological coping mechanism, but as a deliberate strategy of survival—intellectually, morally, and collectively. The boys of Heim L417 refused to surrender the inner world of thought, memory, and imagination. Through *Vedem*, they constructed a hidden republic of letters that stands today as a unique monument to the power of youth creativity, solidarity, and resistance.

Their legacy challenges us to recognize the role of children not merely as passive subjects of history, but as active co-creators of meaning, capable of profound cultural and philosophical contributions, even in the darkest of times. *Vedem* is thus more than a magazine: it is a living archive of courage, insight, and the irrepressible human spirit.

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Institutional Review Board Statement

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Informed Consent Statement

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The author declares no conflict of interest. The funders had no role in the design of the study; in the collection, analyses, or interpretation of data; in the writing of the manuscript; or in the decision to publish the results.

Appendix A



Figure 1. Petr Ginz's Moonscape.

Source: <https://www.czechcenter.org/collection-moon-landscape>.

References

1. Audhuy, C. The Terezín Ghetto: Between Propaganda and Resistance. *Rev. Sci. Soc.* **2013**, *50*, 144–147. (in French)
2. Banu, G.B.; Gunasekaran, S. Linguistic Humor in the Select Works of Mark Twain, Stephen Leacock, and R.K. Narayan. *World J. Engl. Lit.* **2025**, *15*, 159–164.
3. Beilin, A.; Zheltoborodov, A. Catastrophe as Existential-Social Dimension of Historical Being. *Humanit. Stud.* **2024**, *18*, 18–23.
4. Peschel, L. The Cultural Life of the Terezín Ghetto in 1960s Survivor Testimony: Theatre, Trauma and Resilience. In *Performing (for) Survival*; Duggan, P.; Peschel, L., Eds.; Palgrave Macmillan: London, UK, 2016; pp. 59–77.
5. Frenk, R. Freizeitgestaltung-Vocal Music in Theresienstadt, 1942–1944. *J. Singing* **2013**, *70*, 147.
6. Capet, A. Holocaust Art at the Imperial War Museum, 1945–2009. In *Britain and the Holocaust. The Holocaust and its Contexts*; Sharples, C.; Jensen, O., Eds.; Palgrave Macmillan: London, UK, 2013; pp. 129–141.
7. Dobrzycki, J. “Our magazine is for you.” About the periodical Głos Siemianowicki (1936–1937). *Zesz. Prasozn.* **2021**, *64*, 87–104. (in Polish)
8. Thacker, A. Avant-garde Journals. In *The Edinburgh Companion to First World War Periodicals*; Demoor, M.; van Dijck, C.; Van Puymbroeck, B., Eds.; Edinburgh University Press: Edinburgh, UK, 2023; pp. 384–398.
9. Mitschke, S. Performing captivity, performing escape: cabarets and plays from the Terezin/Theresienstadt ghetto. *Holocaust Stud.* **2016**, *22*, 479–482.
10. Intrator, M. *Avenues of Intellectual Resistance in the Ghetto Theresienstadt: Escape Through the Ghetto Central Library, Reading, Storytelling and Lecturing*; University of North Carolina: Chapel Hill, NC, USA, 2003.
11. Fernandes, L.B.L. Childhood, poetry and horror: translations of poems by children from the Terezín Nazi concentration camp. *Cad. Lit. Trad.* **2021**, *23*, 67–86. [CrossRef] (in Portuguese)
12. Fritzer, P.J.; Bland, B. *Merry Wives and Others: A History of Domestic Humor Writing*; McFarland: Jefferson, NC, USA, 2002.
13. Gavrilenko, V.D. The motif of returning home in the lyrical poetry of Nikolai Rubtsov and Leonid Zavalnyuk. *Bull. North-East. Fed. Univ.* **2023**, *4*, 64–75. [CrossRef] (in Russian)
14. Ginz, P. *Petr Ginz’s Moonscape*; Czech Center Museum: Houston, TX, USA.
15. Gundermann, C. Real Imagination? Holocaust Comics in Europe. In *Revisiting Holocaust Representation in the Post-Witness Era. The Holocaust and its Contexts*; Popescu, D.I.; Schult, T., Eds.; Palgrave Macmillan: London, UK, 2015; pp. 231–250.
16. Conrad, J. Flying Home: Aestheticizing and Americanizing Experiences of Exile and Migration in the Second World War as Fairy Tales of Return and Restoration. In *War, Myths, and Fairy Tales*; Buttsworth, S.; Abbenhuis, M., Eds.; Palgrave Macmillan: Singapore, 2017; pp. 117–146.
17. Holcomb, C.; Buzbee, H. Humor. In *The Routledge Handbook of Language and Persuasion*; Fahnestock, J.; Harris, R.A., Eds.; Routledge: London, UK, 2022; pp. 147–164.
18. Horowitz, R., Ed. *The Routledge International Handbook of Research on Writing*; Routledge: New York, NY, USA, 2023.
19. Langans, E.G. To the question of human existence in the era of catastrophes. *Bull. Chelyabinsk State Univ.* **2023**, *4*, 13–19. (in Russian)
20. Colebrook, C. Anti-catastrophic time. *New Form.* **2017**, *92*, 102–119.
21. Hayes, F.L. The War and the Doctrine of Immortality. *J. Relig.* **1919**, *53*, 115–126.
22. Phillips, E. Narrating Catastrophe, Cultivating Hope: Apocalyptic Practices and Theological Virtue. *Stud. Christ. Ethics* **2018**, *31*, 17–33.
23. Lopez-Ortiz, N. Fairy Tales of Genocide: Processing the Holocaust by Recontextualising Fairy-Tale Narratives. *Int. Res. Child. Lit.* **2024**, *17*, 321–334.
24. Morrison, H. Review of the book Terezín: Voices from the Holocaust. *Bull. Cent. Child. Books* **2011**, *64*, 303.
25. Oring, E. Risky Business Political Jokes under Repressive Regimes. *West. Folkl.* **2016**, *63*, 209–236.
26. Pak, S.M.; Strelková, E.Y. Symbolism of E. T. A. Hoffmann’s Fairy Tales: On the Problem of Teaching Fiction. *News. Khabarovsk State Univ. Econ. Law* **2023**, *4*, 141–145. [CrossRef]
27. Knapczyk, J. War and children. A specific case of historical experience. In *Articulating Childhood Trauma*; Kumar, K., Ed.; Routledge India: London, UK, 2024; pp. 37–49.
28. Stargardt, N. Drawing the Holocaust in 1945. *Holocaust Stud.* **2005**, *11*, 25–37.

29. Lewin-Jones, J. Humour with a purpose: creativity with language in Facebook status updates. *Linguist. Online* **2015**, 72, 1–19. [\[CrossRef\]](#)
30. Vásquez, C. *Language, Creativity and Humour Online*; Routledge: London, UK, 2019.



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