

V

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GEOGRAPHICAL SCIENCE

THE SPANISH STEPS IN ROME AND MOVIE *ROMAN HOLIDAY* (1953)

Fesyna Anastasia

Student of Faculty of Natural and Geographical Education and Ecology Dragomanov National Pedagogical University

Pet'ko Lyudmila

Candidate of Pedagogic Sciences, Associate Professor Dragomanov National Pedagogical University

Turchynova Ganna

Candidate of Pedagogic Sciences, Associate Professor Dragomanov National Pedagogical University

Oh Rome! my country! city of the soul! Lord Byron, English Poet

Fostering knowledge exchange among peers is important for learners' motivation, achievement of learning goals as well as improvement of problem solving competency [8, p. 221].

Our student group explores the sights of "Roman Holiday" [16] filming locations. The first article of our problem group was devoted to studying sights of the Spanish Square in Rome [7].

This paper highlighs the Spanish Steps in Rome (Fig. 1), see video [25]). For



Fig. 1. Our authors: A. Fesyna and Y. Herasymchuk (2021). Fig. 3. Audrey Hepburn as Princess Ann (1953).

many foreigners, the Spanish Steps are visual shorthand for Rome; they're used in lots of movies and TV shows, starting with *Roman Holiday* back in 1953 (watch movie [16]).

The camera follows Anne (Fig. 3) on her way along Via Dei Condotti (Fig. 3), a merchant street which opens the famous front panorama at Piazza Di Spagna, as well as the legendary Spanish steps (Fig. 6, 7), **see video [37].** The movie grants us with the most breath-taking perspectives over the legendary Roman landmark, from *Santissima Trinità al Monte Pincio*, a french church over the Spanish steps in Italian Rome, *to Fontana Della Barcaccia* (Fig. 6), a recognized fountain, created with a talent of two representatives of the famous Bernini family. In the same way, as millions of tourists before and after the movie was filmed, Anne falls in a sweet temptation to taste the legendary gelati ice-cream (Fig. 4), just on the foot of the Spanish steps. The princess takes her time on one of the stone platforms of the architectural complex, a place is now forbidden for taking any food, including the

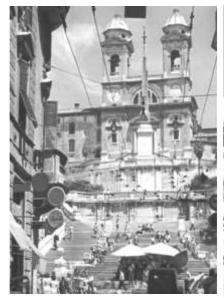






Fig. 3. Via Dei Condotti (1953). Fig. 4. *Roman holiday* **(1953). Fig. 5. Ann and Joe.** famous Tiramisu. In a comic contrast, Anne leaves an empty waffle of her gelati right on the steps **(Fig. 20).** A few moments later, Joe walks up Anne (Fig. 5)



Fig. 6. The famous front panorama at Piazza Di Spagna.



Fig. 7. Spanish Steps, Rome.

and this scene would later become of the most recognized shots of the "Roman holiday" movie [4].

We can take a look at Audrey Hepburn's genuinely grateful, concise and endearing words of acceptance for her Best Actress win in 1953's "Roman Holiday". The presenter onstage is Donald O'Connor, while Gary Cooper, on location at a film set in Mexico, reads the nominees... Scribe Dalton Trumbo and costume designer Edith Head, both legends in their fields, also scored Academy Awards for "Roman Holiday," while the film was nominated in an additional seven categories, including for Best Picture and Director (William Wyler). The Oscar ceremony was held on March 25, 1954, almost 67 years ago (watch video [1]) [26].

So, Audrey Hepburn won the Best Actress Academy Award for her portrayal of Princess Anne. The film won 3 Oscars, and was nominated for 10. The movie "Roman Holiday" ranks No 4 on the American Film Institute's Top 100 Love Stories.

Audrey Hepburn ranks third on AFI's 50 Greatest Screen Legends (female). Gregory Peck ranks twelfth on the same list for male Legends (Fig. 8, 9, 10)



Fig. 8. The Oscar ceremony (1954). Fig. 10. Audrey Hepburn and Gregory Peck, *Roman Holiday*, 1953.

This was a natural hillside as recently as 1723. Before the steps were built, this was the slope of the Pincio Hill, one of many hills around Rome. The 135 steps were built in the 18th century and got their name due to the adjacent Spanish Embassy (Fig. 14).

Unfortunately as of 2019, you can no longer sit on the Spanish Steps. Violaters can receive a fine as high as €400. Eating on the steps is also banned. At the bottom of the steps sits the Piazza di Spagna and the Fontana della Barcaccia, which means "Fountain of the Old Boat." The legend goes that the design of the fountain comes from a boat washed into this piazza by a flood of the Tiber River [11] (Fig. 6), see video [25; 10].

The English novelist Charles Dickens (1812–1870), Fig. 11, described the





Fig. 11. Charles Dickens. Fig. 12. The piazza di Spagna and Spanish Steps in the 18th-century.

steps as thronged with unengaged "artist's models" in regional costume; they are still crowded with loiterers in distinctive dress from all over the world (Fig. 12). Indeed, since the end of the 16th century the Piazza di Spagna has been a stopping place for tourists as well as a destination for artists and writers [24].

The monumental stairway of 135 steps (the slightly elevated drainage system is often mistaken for the first step) was built with French diplomat Étienne Gueffier's bequeathed funds of 20,000 scudi, in 1723–1725, linking the Trinità dei Monti church (Fig. 4, 5, 15) that was under the patronage of the Bourbon kings of France and the the Bourbon Spanish Embassy at the top of the steps to the Holy See in the Palazzo Monaldeschi at the bottom of the steps. The stairway was designed by architects Francesco de Sanctis (1679–1731) and Alessandro Specchi (1668–1729).

The 135 stairs (Fig. 12; 14; 15) were designed by Francesco de Sanctis (a late Baroque Italian architact) and were completed in 1725 after two years of hard work. His drawing was engraved by Girolamo Rossi in 1726, with a long dedication to Louis XV (Fig. 16). The structure was an immediate hit with the local community







Fig. 14. 135 stairs and the Trinità dei Monti church.

which made Piazza di Spagna a very attractive place to take up residence. The steps are dedicated to the Holy Trinity which is represented by their three tiers; Father, Son, and Holy Spirit (Fig. 14, 15).





Fig. 15. Top view. Panoramic view of the Spanish Steps. Fig. 16. Drawing by Francesco de Sanctis.

The name of the steps eventually took the name "The Spanish Steps" but only really in English. In Italian, they simply refer to them as *la Scalinata* which derives from their proper name, "*La Scalinata di Trinita dei Monti*." French and Spanish would follow similarly. The Spanish Embassy (Fig. 13), which is in the Monaldeschi Palace, had been there for hundreds of years prior to the steps being built. Also, the square that eventually housed the steps was named "Piazza di Spagna" which most likely took its name prior or after the Monaldeschi Palace was purchased by the Spanish Crown [20], **see video** [19].

The steps were built with funds left to the city by Étienne Gueffier who was a French diplomat. He left 20,000 scudi, the traded coin of the time, to improve the area which went to great use. The goal was to link the church at the top of the stairs, which was also a French church (Fig. 14), to Palazzo Manaldeschi (Fig. 13) below in Piazza di Spagna [20; 21].

And so, the Spanish Steps was opened in 1725. For almost two years the group of builders and constructers worked their fingers to the bone to bring up 138 travertine steps. As a result, the stairway got its wide central part framed by two narrower sections. There is a viewpoint where one can get by one of the half-moon side spans. Each side of the stairway is fenced with stone ledges designed in Italian baroque style (Fig. 17). At that time, the architects decided to decorate the stairway more modestly. They used the heraldic symbols of the Bourbons dynasty along with the traditional images of the crown and eagle – the attributes of pontifical power [22].

Look out for the lilies and eagles that alternate in the ornamentation of the steps: fulfilling a delicate balancing act between church and secular power, the lily is symbolic of the French monarchy, whilst the eagle was Innocent's heraldic emblem (Fig. 18). Construction finally got underway in 1723 [23].





Fig. 17. Construction of Spanish Steps. Fig. 18. The eagle as Innocent's heraldic emblem.

On September 22, 2016, Bulgari and Roma Capitale celebrated the restoration of the iconic Spanish Steps —a symbol of Rome's cultural and architectural heritage — with a memorable event flooded with music and art video [18]). Turn the magic of the Spanish Steps Tribute on again watching the video. The history of Bylgari is permeated with the art and most iconic places of Rome: in 1884 Sotirio opened his first shop at the top of the Spanish Steps and a few years later, in 1905, he inaugurated the historic boutique at 10 Via Condotti, now the point of reference for all Bylgari stores worldwide (see video [3; 27]).

Every year, when spring comes, the flowerpots with azaleas and petunias paint the stairway in pinkish and flamboyant colors (Fig. 19). While in winter, the same wide steps become the stage for short Christmas plays. Moreover, Trinita dei Monti church is a very picturesque background to the Spanish Steps [22].





Fig. 19. The flowerpots with azaleas and petunias.

Fig. 20. Anne with her waffle gelati.





Fig. 21. The Spanish Steps (February 04, 2012). Fig. 22. Romantic love story "Roman Holiday" (1953).

In conclusion. The steps hit the big screen in Audrey Hepburn film *Roman Holiday*, where the steps' status as a popular meeting place made them the perfect location for Gregory Peck's character to 'accidentally' bump into Hepburn (**video [17]**). They've also been mentioned in a Bob Dylan song [2] and featured in an *Everybody Loves Raymond* episode (where they are on Spanish steps needs to get their photo taken here (**see video** [5: from 16.20 min]).

Speaking about the Spanish Steps we offer to listen to the song "Spanish Steps". Morten Harket performed "Spanish Steps" from his solo album 'Wild Seed' on NRK TV's show 'Sveip + Seinsveip', back in September 1995 (watch video [9]). We remember a romantic love story between an European Princess and an American reporter in Rome, within one day (Fig. 20, 21, see video [17]). They knew that the romance between them oughtn't to be happened because of their great difference in status, even though they had fallen in love with each other deeply.

The greatest love story ever filmed!..







Fig. 22. G.Peck and A.Hepburn (1988). Fig. 23. A.Hepburn (1967).

Fig. 24. Roman Holiday (1953).

References

- 1. Audrey Hepburn Wins Best Actress: 1954 Oscars. URI: https://www.youtube.com/watch?v=p-vR7D21wqI
- 2. Bob Dylan "When I Paint My Masterpiece", 1991 Utica, NY. URI: https://www.youtube.com/watch?v=4Y4B4oKOyHw
- 3. Bulgari The Spanish Steps Experience. URI:

https://www.youtube.com/watch?v=Ukrhgb6TIT4

- 4. Chornyi Maxym. "Roman Holiday" Filming Locations. URI: https://www.recenzent.org.ua/roman-holiday-filming-locations/
- 5. Everybody Loves Raymond S05E01 Italy (1). URI:

https://www.dailymotion.com/video/x6t7lg5

- 6. 7 Facts about Spanish Steps. URI: https://romeonsegway.com/7-facts-about-the-spanish-steps/
- 7. Herasymchuk Y., Pet'ko L., Turchynova G. The Spanish Square in Rome and movie *Roman Holiday. Multidisciplinary research*: abstracts of the XIVth International scientific-practical conference (Bilbao, 21–24 December 2020). Spain. Bilbao: International Science Group, 2020. Pp. 113–123.
- 8. Konert J., Burlak D., Steinmetz R. (2014) The Group Formation Problem: An Algorithmic Approach to Learning Group Formation. In: Rensing C., de Freitas S., Ley T., Muñoz-Merino P.J. (eds) Open Learning and Teaching in Educational Communities. EC-TEL 2014. Lecture Notes in Computer Science, vol 8719. Springer, Cham. https://doi.org/10.1007/978-3-319-11200-8_17
- 9. Morten Harket "Spanish Steps" @ NRK 'Sveip + Seinsveip' [Sep. 22,1995]. URI: https://www.youtube.com/watch?v=TdaDeGf8fg8
- 10. Piazza di Spagna. Scalinata. Trinità dei Monti. URI:

https://www.youtube.com/watch?v=O_FshFWB8FA in Italian

11. Pickhardt Stephen. Self-Guided Rome Walking Tours

URI: https://freetoursbyfoot.com/self-guided-rome-walking-tours/

- 12. Pet'ko Lyudmila. About socio-culturological content in teaching subjects // Development strategy of science and education: Collection of scientific articles. Fidelite editions, Namur, Belgique, 2017. P. 316–319.
- 13. Pet'ko Lyudmila. Developing students' creativity in conditions of university // Research: tendencies and prospects: Collection of scientific articles. Editorial Arane, S.A. de C.V., Mexico City, Mexico, 2017. P. 272–276.
- 14. Pet'ko L. Multicultural upbringing of students and the formation of professionally oriented foreign language teaching environment / L. Pet'ko // Perspectives of research and development: Collection of scientific articles. SAUL Publishing Ltd, Dublin, Ireland, 2017. P. 164–170.
- 15. Pet'ko L. V. Teaching of students' professionally oriented foreign language writing in the formation of professionally oriented foreign language learning environment // Economics, management, law: innovation strategy: Collection of scientific articles. Henan Science and Technology Press, Zhengzhou, China, 2016. P. 356–359.

- 16. *Roman Holiday*: movie. 1953 (USA). Starring: Gregory Peck, Audrey Hepburn. Director: William Wyler. URI: https://www.dailymotion.com/video/x3rp5md (in English)
- 17. *Roman Holiday* (1/10) Movie CLIP. Take a Holiday (1953) HD. URI: https://www.youtube.com/watch?v=l-PmluGC2wk&feature=emb_logo
- 18. Rome's Spanish Steps reopening after restoration. URI:
- https://www.youtube.com/watch?v=ypUHzeeQUwo
- 19. Rome Virtual Walk in 4K Part 2: Spanish Steps to Trevi Fountain. URI: https://www.youtube.com/watch?v=8JwhEk8RqMA with English subtitles
- 20. Shaw Brandon. 12 Astounding Facts About The Spanish Steps. URI: https://theromanguy.com/italy-travel-blog/the-spanish-steps-romes-modern-day-landmark/
- 21. Spanish Steps. URI:
- https://www.wikiwand.com/en/Spanish_Steps#/google_vignette
- 22. Spanish Steps. URI: https://rome.us/squares-and-fountains/spanish-steps.html
- 23. A guide to the Spanish Steps in Rome: everything you need to know about Rome's most iconic staircase. URI: https://www.througheternity.com/en/blog/art/guide-to-the-spanish-steps-in-rome.html#
- 24. Spanish Steps. Architectural feature, Rome, Italy. URL: https://www.britannica.com/place/Spanish-Steps
- 25. Spanish Steps in Rome by **Drone.** URI:
- https://www.youtube.com/watch?v=s9BdEeuZATc&feature=emb_logo
- 26. WATCH: Audrey Hepburn's Oscar Acceptance Speech for 'Roman Holiday,' with Presenters Gary Cooper and Donald O'Connor. URI: https://www.indiewire.com/2014/02/watch-audrey-hepburns-oscar-acceptance-speech-for-roman-holiday-with-presenters-gary-cooper-and-donald-oconnor-193394/27. Испанская лестница предстает в былом блеске. URI:
- https://www.youtube.com/watch?v=HxFAFeDzg00
- 28. Петько Л. В. Виклики XXI століття для освітнього простору України. *Наукові праці [Чорноморського державного університету імені Петра Могили комплексу "Києво-Могилянська академія"]*. Серія : Педагогіка : наук. журн. / Чорном. держ. ун-т імені Петра Могили. Миколаїв : Вид-во ЧНУ імені Петра Могили, 2017. Т. 303. Вип. 291. С. 10–14.
- 29. Петько Л. В. Єдність навчання і виховання у формуванні професійно орієнтованого іншомовного навчального середовища в умовах університету : монографія. Київ : Талком, 2017. 337 с.
- 30. Петько Л. В. Інноваційні технології навчання у формуванні професійно орієнтованого іншомовного навчального середовища // Сучасні технології розвитку професійної майстерності майбутніх учителів: матеріали Всеукраїнської Інтернет-конференції, 28 жовтня 2015 р. // FOLIA COMENIANA: вісник Польсько-української науково-дослідної лабораторії дидактики імені Я. А. Коменського. Умань: ФОП Жовтий, 2015.

- 31. Петько Л. В. Розвиток творчого професійного мислення студентів в освітньому середовищі університету // Нові концепції викладання у світлі інноваційних досягнень сучасної науки : матеріали Міжнародної наук.-практ. конференції (м. Київ, 07 листопада 2020 року). Київ : Вид-во НПУ імені М. П. Драгоманова, 2020. С. 117–121.
- 32. Рим. Испанская лестница | GlobeTrotter. URI : https://www.youtube.com/watch?v=z-uefoyla6c&feature=emb_logo
- 33. Турчинова Г.В. Підготовка майбутніх вчителів природничих дисциплін до дослідницької діяльності у процесі навчання іноземної мови за фахом // Topical issues of education: Collective monograph. Pegasus Publishing, Lisbon, Portugal, 2018. 280 р. Р. 63-80.
- 34. Турчинова Г. В. Причини виділення педагогічних спеціальностей, де іноземна мова вивчається як другий фах, в окремий напрямок // Мовна освіта: шлях до євроінтеграції: Міжнародний форум, тези доповідей / за ред. С.Ю. Ніколаєвої, К.І. Онищенко. К.: Ленвіт, 2005. С. 279–281.
- 35. Турчинова Г. В. Тематика, тексти, мовний та мовленнєвий матеріал у курсі навчання викладання біології англійською мовою. *Наукові записки Національного пед. ун-ту імені М. П. Драгоманова*. Серія: Педагогічні та історичні науки : [зб. наук. статей] / М-во освіти і науки, молоді та спорту України, Нац. пед. ун-т ім. М.П. Драгоманова. Київ : Вид-во НПУ ім. М. П. Драгоманова, 2013. Вип. 109. С. 205–210.
- 36. Турчинова Г. В. Формування професійних умінь викладання біології англійською мовою. *Наукові записки*. Серія: Педагогічні та історичні науки. Київ: Вид. центр НПУ ім. М.П.Драгоманова, 2005. Вип. 58. С. 156–164.
- 37. Roman Holiday (1953). (2/5) / Holiday. URI: https://www.youtube.com/watch?v=XTj_gljJ7wk